

Annual Environmental Report

For

Licence Registration Number: P0382-01

Reporting period: 1st January 2011 to 31st December 2011

**Location of Activity: Carrowcushcly Pig Farm
Carrowcushcly
Ballymote
Co. Sligo**

Prepared by: hugh o hara _____ **Signed:** hugh o hara _____

Position: manager _____ **Date:** 1/10/11 _____

The following report has been prepared in accordance with Condition 2.4.2, Condition 9 and Schedule 5 (i) of Integrated Pollution Control Licence number P0382-01.

The unit was licensed by the EPA in December 1999 to carry out the following activity

:- the rearing of pigs in installations, whether within the same complex or within 100 meters of that complex, where the capacity exceeds 1000 units on gley soils or 3000 units on other soils.

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1.0 WASTE RECORDS

Wastes arising on-site include

- Animal carcasses
- Domestic waste
- Dry recyclables
- Agrochemical waste
- Metal

All wastes generated on-site are stored in suitable containers in designated areas prior to being transferred to approved disposal/recovery facilities. A summary of waste disposed/recovered off-site during the reporting period is outlined in Table 1 below.

Table 1: Waste transferred off-site for disposal/recovery during the reporting period

	Animal carcasses	Domestic waste	Dry recyclables	General Waste	Agrochemical waste	Agrochemical waste
EWC code	02 01 02	20 03 01	20 03 99	20 03 99	18 02 02	02 01 10
Quantity	39660Tonnes	3.5 Tonnes (approx)	2.860 Tonnes (approx)	2.780 (approx)	0.038 Tonnes	zero
Collector	Kiernan Transport, Granard, Co. Longford.	Barna/Bergin Waste Headford Rd., Galway.	Barna/Bergin Waste Headford Rd., Galway.	Barna/Bergin Waste Headford Rd., Galway	SRCL Limited Naas Rd., D.12.	Erin Recyclers Finisklin Co.Sligo.
Collection permit no.	<i>D.o.A registration no:</i> KT	CW074	CW074	CW074	WCP/09	CW206
Final destination	Premier Proteins, Ballinasloe.	Ballaghadereen Landfill c/o Roscommon Co. Co.	Bruscar Bhearna Teo., Galway.	Bruscar Bhearna Teo., Galway.	Ballynagran Landfill, Co. Wicklow.	Erin Recyclers Finisklin Co.Sligo
Licence/permit details	P0592-01	W0059-02	W0106-02	W0106-02	W0165-01	WP SO 08/93

Comment [nm1]: KT registered with D.o.A. Same driver. First load by KT 29/06/07

2.0 MANURE USE & RECORDS

2.1 Manure distribution 2011

Manure from this site is available for distribution as fertilizer to the occupiers of holdings subject to availability. Manure will only be distributed in response to a request. The use of the manure by occupiers of holdings is subject to control under the European Communities (Good Agricultural Practice for Protection of Waters) Regulations 2009. Records of manure dispatch will be maintained on-site and be available for inspection by the authorities. New customers who may seek a supply may be added to the customer list during the year. Manure may be supplied to a new customer on his statement that he has a requirement.

2.2 Manure Storage Capacity

The manure storage capacity was measured on a weekly basis during the reporting period and the remaining storage capacity at the end of each month is outlined in Table 2.

Table 2 Available Manure Storage Capacity during the Reporting Period

	% Storage Capacity Available
January	29%
February	60%
March	82%
April	73%
May	70%
June	72%
July	69%
August	68%
September	64%
October	54%
November	44%
December	31%

2.3 Manure Distribution

10149m³ of manure was dispatched from the farm in 2011. A register, detailing dates, volumes and importers of the manure was maintained and is available for inspection by the authorities.

3.0 FEED COMPOSITION

The main constituents of the feed include wheat, hipro soya, barley, pollard, maize, rapeseed, peas, beet pulp, milk powders, tallow, soya oil and supplements.

4.0 SURFACE WATER DISCHARGE MONITORING

Outlined in Table 3 are the results for surface water monitoring conducted in accordance with Schedule 4 (i) of the licence at sample point SWA during 2011. Analyses were conducted by Oldcastle Laboratories, Co. Meath.

Table 3 Surface water discharge monitoring results for sample point SWA

	Quarter 1	Quarter 2	Quarter 3	Quarter 4
COD (mg L ⁻¹)	5	5	0	37
Ammonia (mg L ⁻¹)	<0.0	0.01	<	<0.0
Total Phosphate (mg L ⁻¹)	0.1	0.01	0	0.18

Outlined in Table 4 are the results for surface water monitoring conducted in accordance with Schedule 4 (i) of the licence at sample point SWB during 2011. Analyses were conducted by Oldcastle Laboratories, Co. Meath.

Table 4 Surface water discharge monitoring results for sample point SWB

	Quarter 1	Quarter 2	Quarter 3	Quarter 4
COD (mg L ⁻¹)	8	0	0	29
Ammonia (mg L ⁻¹)	<0	0.01	<0.	0
Total Phosphate (mg L ⁻¹)	0.06	0.05	0.	0.14

Outlined in Table 5 are the results for surface water monitoring conducted in accordance with Schedule 4 (i) of the licence at sample point SWC during 2011. Analyses were conducted by Oldcastle Laboratories, Co. Meath.

Table 5 Surface water discharge monitoring results for sample point SWC

	Quarter 1	Quarter 2	Quarter 3	Quarter 4
COD (mg L ⁻¹)	9	0	0	36
Ammonia (mg L ⁻¹)	<0.01	0.	<0.	0
Total Phosphate (mg L ⁻¹)	0.08	0.09	0.	0.1

5.0 GROUND WATER MONITORING

Groundwater quality was monitored In december. The analysis was conducted by Oldcastle Laboratories, Co. Meath. The results are as follows:

Faecal coliforms 0 per 100 ml

Nitrates mg/lno3-n 0.9 ammonia 0

6.0 TANK & PIPELINE ASSESSMENT

The manure storage tanks were assessed and surveyed by Eddie Kennedy and Associates, chartered engineers during 2011. A report should have been submitted to the EPA. No evidence of leaks or spillages were found.

7.0 INCIDENTS

There were no incidents during the reporting period.

8.0 COMPLAINTS

There were no complaints in 2011.



| PRTR# : P0382 | Facility Name : Mr Antone Kiernan | Filename : Copy of P0382 FILLED WORKSHEET.xls | Return Year : 2011 |

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[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 Antone Kiernan
Facility Name	Mr Antone Kiernan
PRTR Identification Number	P0382
Licence Number	P0382-01

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	Kiernan Pig Farms
Address 2	Granard
Address 3	Co Longford
Address 4	
	Longford
Country	Ireland
Coordinates of Location	-8.53382 54.1230
River Basin District	IEWE
NACE Code	0146
Main Economic Activity	Raising of swine/pigs
AER Returns Contact Name	HUGH O HARA
AER Returns Contact Email Address	hoh@eircom.net
AER Returns Contact Position	manager
AER Returns Contact Telephone Number	0719183049
AER Returns Contact Mobile Phone Number	0878241513
AER Returns Contact Fax Number	0719183677
Production Volume	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	4
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](#)

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SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

POLLUTANT		METHOD			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	MAB	epa calculation tool		0.0	0.0	0.0
01	Methane (CH4)	C	MAB	epa calculation tool		14040.7	0.0	14040.7
05	Nitrous oxide (N2O)	C	MAB	epa calculation tool		85282.6	0.0	85282.6
						82.1	0.0	82.1
						0.0	0.0	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 B : REMAINING PRTR POLLUTANTS

POLLUTANT		METHOD			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			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 Antone Kiernan			
Please enter summary data on the quantities of methane flared and / or utilised				
	T (Total) kg/Year	M/C/E	Method Code	Designation or Description
Total estimated methane generation (as per site model)	0.0			Facility Total Capacity m3 per hour
Methane flared	0.0			0.0 (Total Flaring Capacity)
Methane utilised in engine/s	0.0			0.0 (Total Utilising Capacity)
Net methane emission (as reported in Section A above)	0.0			N/A

4.2 RELEASES TO WATERS

[Link to previous years emissions data](#)

| PRTR# : P0382 | Facility Name : Mr Antone Kiernan | Filename : Copy of PO382 FILLED WORKSHEET.xls | Return Year : 2011 |

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SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

Data on ambient monitoring of storm/surface water or groundwater, conducted as part of your licence requirements, should NOT be submitted under AER / PRTR Reporting as this only concerns Releases from your facility

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
POLLUTANT		M/C/E	Method Used		QUANTITY			
No. Annex II	Name		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	0.0

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

SECTION B : REMAINING PRTR POLLUTANTS

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
POLLUTANT		M/C/E	Method Used		QUANTITY			
No. Annex II	Name		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	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)

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
POLLUTANT		M/C/E	Method Used		QUANTITY			
Pollutant No.	Name		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	0.0

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

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4.3 RELEASES TO WASTEWATER OR SEWER

[Link to previous years emissions data](#)

| PRTR# : P0382 | Facility Name : Mr Antone Kiernan | Filename : Copy of P0382 FILLED WORKSH

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SECTION A : PRTR POLLUTANTS

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			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	0.0

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

SECTION B : REMAINING POLLUTANT EMISSIONS (as required in your Licence)

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			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	0.0

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

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

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Please enter all quantities on this sheet in Tonnes

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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 : 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		Haz Waste: Name and Licence/Permit No of Recover/Disposer	Non Haz Waste: Address of Recover/Disposer				
Within the Country	02 01 02	No	39.66	animal-tissue waste	R3	M	Weighed	Offsite in Ireland	Premier Proteins Ltd,P0592-01		Premier Proteins Ltd.,Ballinasloe,County Galway,Ireland		Premier Proteins Ltd.,Ballinasloe,County Galway,Ireland	
Within the Country	20 03 01	No	3.5	mixed municipal waste	D5	E	Volume Calculation	Offsite in Ireland	Barna Waste ,W0106-02		Ballaghderreen Landfill W0059-02,Ballaghderreen ,,County Roscommon,Ireland		Barna Waste ,Headford Road,Galway,County Galway,Ireland	
Within the Country	20 03 99	No	2.86	dry recyclables	R3	E	Volume Calculation	Offsite in Ireland	Barna Waste ,W0106-02		Barna Waste ,Headford Road,Galway,County Galway,Ireland		Barna Waste ,Headford Road,Galway,County Galway,Ireland	
Within the Country	20 03 99	No	2.78	general waste	D5	E	Volume Calculation	Offsite in Ireland	Barna Waste ,W0106-02		Greenstar Holding Ltd W0165-01,Ballynagran ,Co.Wicklow,,Ireland		Greenstar Holding Ltd W0165-01,Ballynagran ,Co.Wicklow,,Ireland	
Within the Country	02 01 09	No	0.038	agrochemical waste other than those mentioned in 02 01 08	D5	M	Weighed	Offsite in Ireland	SRCL Ltd,WCP 09					

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

[Link to previous years waste data](#)

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