

# Annual Environmental Report

*For*

**Licence Registration Number: P0382-01**

**Reporting period: 1<sup>st</sup> January 2009 to 31<sup>st</sup> December 2009**

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

**Prepared by:** N. Murray

**Signed:** N. Murray

**Position:** Env. Officer

**Date:** 16/04/10

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	Agrochemical waste	Agrochemical waste
<b>EWC code</b>	02 01 02	20 03 01	20 03 99	18 02 02	02 01 10
<b>Quantity</b>	39.7 Tonnes	9.59 Tonnes (approx)	1.43 Tonnes (approx)	0.07 Tonnes	4 Tonnes
<b>Collector</b>	Kiernan Transport, Granard, Co. Longford.	Barna/Bergin Waste Headford Rd., Galway.	Barna/Bergin Waste Headford Rd., Galway.	SRCL Limited Naas Rd., D.12.	Erin Recyclers Finisklin Co.Sligo.
<b>Collection permit no.</b>	<i>D.o.A registration no: KT</i>	CW074	CW074	WCP/09	CW206
<b>Final destination</b>	Premier Proteins, Ballinasloe.	Ballaghadereen Landfill c/o Roscommon Co. Co.	Bruscar Bhearna Teo., Galway.	Ballynagran Landfill, Co. Wicklow.	Erin Recyclers Finisklin Co.Sligo
<b>Licence/permit details</b>	P0592-01	W0059-02	W0106-02	W0165-01	WP SO 08/93

## 2.0 MANURE USE & RECORDS

### 2.1 Manure distribution 2010

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**

	<b>% Storage Capacity Available</b>
January	29 %
February	38%
March	63%
April	63%
May	56%
June	57%
July	57%
August	54%
September	54%
October	44%
November	34%
December	24%

### 2.3 Manure Distribution

9420m<sup>3</sup> of manure was dispatched from the farm in 2009. 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 2009. 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 <sup>-1</sup> )	27	6	0	5
Ammonia (mg L <sup>-1</sup> )	<0.05	<0.05	<0.05	0
Total Phosphate (mg L <sup>-1</sup> )	0.04	0.03	0.14	0.12

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 2009. 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 <sup>-1</sup> )	39	5	0	2
Ammonia (mg L <sup>-1</sup> )	0.12	<0.05	<0.05	0
Total Phosphate (mg L <sup>-1</sup> )	0.03	0.02	0.16	0.07

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 2009. 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 <sup>-1</sup> )	7	3	0	6
Ammonia (mg L <sup>-1</sup> )	<0.05	<0.05	<0.05	0
Total Phosphate (mg L <sup>-1</sup> )	0.04	0.04	0.17	0.09

## **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

## **6.0 TANK & PIPELINE ASSESSMENT**

The manure storage tanks were emptied and cleaned out in 2005. They were visually inspected by personnel on-site and were found to be in good condition. There was no evidence of leaks or significant cracking. The tanks are considered to be structurally sound.

## **7.0 INCIDENTS**

There were no incidents during the reporting period.

## **8.0 COMPLAINTS**

There were no complaints in 2009.



Environmental Protection Agency

| PRTR# : P0382 | Facility Name : Mr Antone Kiernan | Filename : P0382\_2009(1).xls |  
Return Year : 2009 |

# AER Returns Worksheet

Version 1.1.10

<b>REFERENCE YEAR</b>	2009
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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	
Country	Ireland
Coordinates of Location	-8.5345 54.1232
River Basin District	IEGBNISH
NACE Code	0146
Main Economic Activity	Raising of swine/pigs
AER Returns Contact Name	Niamh Murray
AER Returns Contact Email Address	murrayniamh@yahoo.ie
AER Returns Contact Position	
AER Returns Contact Telephone Number	0719183049
AER Returns Contact Mobile Phone Number	
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	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 ?	
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SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

POLLUTANT		RELEASES TO AIR		
No. Annex II	Name	M/C/E	Method Used	Method Code
06	Ammonia (NH3)	C	OTH	OTH
01	Methane (CH4)	C	OTH	OTH
05	Nitrous oxide (N2O)	C	NRB	NRB

\* 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		
No. Annex II	Name	M/C/E	Method Used	Method Code

\* 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		
Pollutant No.	Name	M/C/E	Method Used	Method Code

\* 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 (Total) KG/yr for Section A: Sector specific PRTR pollutants above. Please complete the table below:

Total estimated methane generation (as per site model)	Methane flared	Methane utilised in engine/s	Net methane emission (as reported in Section A above)	Facility Total Capacity m3 per hour	
				Method Used	Designation or Description
0.0	0.0	0.0	0.0	(Total Flaring Capacity)	(Total Utilising Capacity)
0.0	0.0	0.0	0.0	N/A	N/A

Mr Antone Kiernan

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE | PRT#R: P0382 | Facility Name: Mr Antonio Kleman | Filename: P0382\_2006(1).xls | Return Year: 2009 | 13/04/2010 22:28

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Lic.Waste: Name and Licence/Permit No of Next Destination Facility Lic.Waste: Name and Licence/Permit No of Recover/Disposer	Lic.Waste: Address of Next Destination Facility Not Lic.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)
						W/C/E	M/C/E					
Within the Country	02 01 02	No	39.7	Animal carcasses	D9	M	Weighted	Offsite in Ireland	Premier Proteins,P0592-02	...Ballinacloe,Co. Galway,Ireland Headford		
Within the Country	20 03 99	No	1.43	Dry recyclables	R12	E	Volume Calculation	Offsite in Ireland	Barna Waste,W0106-02	Rd.,Galway,,Ireland		
Within the Country	20 03 01	No	9.59	Mixed municipal waste	D1	E	Volume Calculation	Offsite in Ireland	Ballaghareene Landfill,W0059-02	...Ballaghareene Co. Roscommon,Ireland	Greenstar Holding Ltd,W0165-	Ballynagran,....Co. Wicklow,Ireland
Within the Country	18 02 02	Yes	0.07	Waste from animal healthcare	D9	M	Weighted	Offsite in Ireland	SRCL Ltd,W0055-02	430 Beech Rd,Western Ind Est,Naas Rd,Dublin 12,Ireland		
Within the Country	02 01 10	No	4.0	Metal	R4	E	Volume Calculation	Offsite in Ireland	Enn Recyclers,WP SO 08/93	Finskin,,Sligo Harbour,Ireland		

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