

# Annual Environmental Report

*For*

**Licence Registration Number: P0382-01**

**Reporting period: 1<sup>st</sup> January 2014 to 31<sup>st</sup> December 2014**

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

**Prepared by:** hugh o hara \_\_\_\_\_ **Signed:** hugh o hara \_\_\_\_\_  
\_\_\_\_\_

**Position:** manager \_\_\_\_\_ **Date:** 31/1/14 \_\_\_\_\_

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
<b>EWC code</b>	02 01 02	20 03 01	20 03 99	20 03 99	18 02 02	02 01 10
<b>Quantity</b>	28800	2.750tonnes approx	2.650 Tonnes (approx)	7.100(approx)	0..057 Tonnes	.174 KGS
<b>Collector</b>	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.	IRISH LAMP RECYCLING CO LTD.
<b>Collection permit no.</b>	<i>D.o.A registration no:</i> KT	CW074	CW074	CW074	WCP/09	NWCPO-08-01115-02
<b>Final destination</b>	,Maloney&Matthews achonry tubbercurry co Sligo.	Ballaghadereen Landfill c/o Roscommon Co. Co.	Bruscar Bhearna Teo., Galway.	Bruscar Bhearna Teo., Galway.	Ballynagran Landfill, Co. Wicklow.	WOODSTOCK INDUSTRIAL ESTATE, KILKENNY RD , ATHY CO KILDARE.
<b>Licence/permit details</b>	Kn 65.	W0059-02	W0106-02	W0106-02	W0165-01	WFP-KE-0072-01

**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 2014

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	54.5%
February	67.5%
March	81.5%
April	82.23%
May	82.57%
June	87.72%
July	87.03%
August	82.57%
September	80.86%
October	82.99%
November	74.76%
December	64.49%

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**2.3 Manure Distribution** 8705 M3 of manure was dispatched from the farm in 2014. 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 2014. 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> )	10	3	9	Nil
Ammonia (mg L <sup>-1</sup> )	<0.08	0.763	<0.376	<0.
Total Phosphate (mg L <sup>-1</sup> )	0.024	0.32	0.13	0.0

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 2014. 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> )	1	1	7	Nil
Ammonia (mg L <sup>-1</sup> )	<0.070	0.47	<0.763	0.
Total Phosphate (mg L <sup>-1</sup> )	0.016	0.22	0.1	0.

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 2014. 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> )	3	2	3	Nil
Ammonia (mg L <sup>-1</sup> )	<0.06	0.685	<0.582	0.
Total Phosphate (mg L <sup>-1</sup> )	0.019	0.29	0.2	0.

## 5.0 GROUND WATER MONITORING

Groundwater quality was monitored in March 28<sup>th</sup> 2014. The analysis was conducted by Oldcastle Laboratories, Co. Meath. The results are as follows:

Faecal coliforms 0 per 100 ml

Nitrates mg/l NO<sub>3</sub>-N 1.0 ammonia 0.026

## 6.0 TANK & PIPELINE ASSESSMENT

The manure storage tanks were assessed and surveyed by Eddie Kennedy and Associates, chartered engineers during 2011/2012. A report has been submitted to the EPA. No evidence of leaks or spillages were found.

Additional slurry storage tanks were surveyed during 2013 by David Ross, chartered engineer. Leak detection systems were installed to required specifications, reports are on site.

## 7.0 INCIDENTS

There were no incidents during the reporting period.

## 8.0 COMPLAINTS

There were no complaints in 2014







[Guidance to completing the PRTR workbook](#)

# AER Returns Workbook

Version 1.1-18

<b>REFERENCE YEAR</b>	2014
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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

### Classes of Activity

No.	class name
-	Refer to PRTR class activities below

Address 1	Carrowcushcly Pig Unit
Address 2	Carrowcushcly
Address 3	Ballymote
Address 4	
	Sligo
Country	Ireland
Coordinates of Location	-8.53382 54.1230
River Basin District	IEWE
NACE Code	0146
Main Economic Activity	Raising of swine/pigs
<b>AER Returns Contact Name</b>	HUGH O HARA
<b>AER Returns Contact Email Address</b>	hoh@eircom.net
<b>AER Returns Contact Position</b>	manager
<b>AER Returns Contact Telephone Number</b>	071 9183049
<b>AER Returns Contact Mobile Phone Number</b>	0878241513
<b>AER Returns Contact Fax Number</b>	0719183677
<b>Production Volume</b>	0.0
<b>Production Volume Units</b>	
<b>Number of Installations</b>	1
<b>Number of Operating Hours in Year</b>	8760
<b>Number of Employees</b>	4
<b>User Feedback/Comments</b>	any variances in emissions run in line with decreases or increases in stock numbers
<b>Web Address</b>	

## 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. WASTE IMPORTED/ACCEPTED ONTO SITE

[Guidance on waste imported/accepted onto site](#)

Do you import/accept waste onto your site for on-site treatment (either recovery or disposal activities)?	No
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This question is only applicable if you are an IPPC or Quarry site

4.1 RELEASES TO AIR

[Link to previous years emissions data](#)

| PRTR#: P0382 | Facility Name : Mr Antone Kiernan | Filename : Copy of p0382\_2014.xls | Return Year : 2014 |

22/10/2015 15:56

**SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS**

No. Annex II		POLLUTANT Name	METHOD	Please enter all quantities in this section in KGs				
			Method Used	QUANTITY				
			Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year	
06		Ammonia (NH3)	C MAB		0.0	10224.7	0.0	10224.7
01		Methane (CH4)	C MAB		0.0	67143.4	0.0	67143.4
05		Nitrous oxide (N2O)	C MAB		0.0	61.0	0.0	61.0

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

**SECTION B : REMAINING PRTR POLLUTANTS**

No. Annex II		POLLUTANT Name	METHOD	Please enter all quantities in this section in KGs				
			Method Used	QUANTITY				
			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)**

Pollutant No.		POLLUTANT Name	METHOD	Please enter all quantities in this section in KGs				
			Method Used	QUANTITY				
			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

**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 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 engine/s	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

[PRTR#: P0382 | Facility Name : Mr Antone Kiemian | Filename : Copy of p0382\_2014.xls | Return Year : 2014 |

22/10/2015 15:56

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 Haz Waste: Name and Licence/Permit No of Recover/Disposer	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					
Within the Country	02 01 02	No	28.88	animal-tissue waste	R3	M	Weighed	Offsite in Ireland	Maloney and Matthews Animal Collection Limited,KN65		Achonry,Tubbercurry,Sligo... Ireland	
Within the Country	02 01 09	No	0.057	agrochemical waste other than those mentioned in 02 01 08	D5	M	Weighed	Offsite in Ireland	SRCL Ltd,WCP 09		Greenstar Holding Ltd W0165-01,Ballynagran ,Co.Wicklow,..Ireland	
Within the Country	20 03 01	No	2.75	mixed municipal waste	D5	E	Volume Calculation	Offsite in Ireland	Barna Waste ,W0106-02		Ballaghderreen Landfill W0059-02,Ballaghderreen ...County Roscommon,Ireland	
Within the Country	20 03 99	No	0.0	Greenstar Holding Ltd W0165-01,Ballynagran ,Co.Wicklow,..Ireland	R3	E	Volume Calculation	Offsite in Ireland	Barna Waste ,W0106-02		Barna Waste ,Headford Road,Galway,County Galway,Ireland	
Within the Country	20 03 99	No	7.1	general waste	D5	E	Volume Calculation	Offsite in Ireland	Barna Waste ,W0106-02		Barna Waste ,Headford Road,Galway,County Galway,Ireland	

\* 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](#)

[Link to Waste Guidance](#)