

Facility Information Summary	
AER Reporting Year	2014
Licence Register Number	PO710-03
Name of site	Moate Pig Farm
Site Location	Ballinakill, Portlaoise, Co. Laois.
NACE Code	
Class of Activity	6.2 (As in First Schedule of EPA Acts)
National Grid Reference (6E, 6 N)	E248380 -- N183133
A brief description of the activities/process at the site for the reporting year. This should include information such as production increases or decreases on site, any infrastructural changes, environmental performance improvements which were measured during the reporting year; Stock numbers-please enter average stock numbers and stock type e.g. Suckling sow+litter, Dry sow, Boars, Maiden gilts, Weaners , Finishers, broiler,layer,duck Please state date of last stock count Please enter stock numbers and type at last count	
	The rearing of pigs in an installation

Declaration:

All the data and information presented in this report has been checked and certified as being accurate. The quality of the information is assured to meet licence requirements.

Signature	Date
Group/Facility manager	
(or nominated, suitably qualified and experienced deputy)	

Tank and Pipeline assessment reporting		Lic No:	PO710-03	Year:	2014
Answer all questions and complete Tables TP1, TP2 and TP3 as applicable					
1	Is it a requirement of your licence to carry out a tank and pipeline assessment for effluent storage on site?				Additional information if required
2	Is it a requirement of your licence to submit a programme for agreement to the Agency prior to carrying out a tank and pipeline assessment?				
3	If Yes to Q2 has a programme been submitted to the Agency for agreement on the testing and inspection of under and over-ground effluent storage tanks and pipelines? Please enter date of submission in additional information				
4	What method has been proposed for the testing of under and over ground effluent storage tanks and pipelines?				
5	Have all structures been assessed for integrity in the past five years or as required by the licence. If no, please identify the structures which have not been assessed as required, in the Additional Information column. Also in the column, please state the date on which assessment was carried out.				
6	If Visual inspection was the method used were any cracks or defects detected? If yes please detail in additional information				
7	If yes to Q6 have the cracks or defects been repaired successfully? If no please explain in additional information				
8	If hydrogeological or geophysics investigation methods were used was there any evidence of contamination detected? If yes please detail in additional information				
9	If yes to Q8 please detail proposed or completed remediation work in additional information				
10	Are there any leak detection systems on site? Please see Department of Agriculture S126 and EPA guidance on Storage and Bunding of materials for required systems				
11	Does the leak detection system serve all housing units on site? (please state in the comments section number of units covered by the leak detection system and total number of units on site)				
12	From the visual inspections carried out has any discharge been visible in the leak detection inspection chamber? If yes please enter details in table TP2				
13	Was it a requirement of your licence to analyse samples for the current reporting year. If yes please enter details of any samples taken in table TP3 below				
14	When is the next tank and pipeline assessment due?				
15	Does the licensee consider they are compliant with licence conditions?				
16	Include details of any other findings of report				

Table TP1: Underground and Overground Tanks, Bund and pipeline register ALL Facilities to complete

Bund/Tank/Containment structure ID (this includes pipelines associated with Bunds/Tanks or containment structures)	Product containment	Type of Integrity test	Test date	Leak detection on containment structure?	Integrity reports maintained on site?	Results of test	Integrity test failure explanation <50 words	Corrective action taken
	SELECT	SELECT		SELECT	SELECT	SELECT		SELECT
	SELECT	SELECT		SELECT	SELECT	SELECT		SELECT
	SELECT	SELECT		SELECT	SELECT	SELECT		SELECT

Table TP2: Visual inspection of leak detection chamber (Poultry facilities this table is not applicable please complete table TP1)

Date	Evidence of discharge	Samples taken (reference in TP3)

Table TP3: Samples collected from leak detection chamber (Poultry facilities this table is not applicable please complete table TP1)

Date	Sample frequency	Sample id	Colour/Odour	Parameter	ELV (if applicable)	Measured value
	SELECT					
	SELECT					

Groundwater monitoring summary report

PO710-03

Lic No:

Year

2014

Comments

1	Are you required to carry out groundwater monitoring as part of your licence requirements? If Yes complete table GW1 below	yes	
2	Were any results in exceedance of a relevant Groundwater threshold value (GTV)?	Groundwater regulations GTV's no	
3	What measures were taken to investigate the exceedances of GTV's? detail in additional information section below	SELECT	

Table GW1: Groundwater monitoring results

Date of sampling	Sample location reference	Parameter/ Substance	Monitoring frequency	unit	GTV's*	IGV	Maximum Concentration	Average Concentration
24/01/2014	Well on site	Enterococci	Annually	ug/l	>1			0
03/07/2014	Well on site	Enterococci	Annually	ug/l	>1			0

* please note exceedance of a relevant Groundwater threshold value (GTV) at a representative monitoring point does not indicate non compliance, an exceedance triggers further investigation to confirm whether the criteria for poor ground water chemical status are breached.

** depending on location of the site and proximity to other sensitive receptors a relevant Recreational Based Water Quality Standard (RBWS) should be used in addition to the GTV as a measure to protect surface water. compare to Surface Water Environmental Quality Standards (SWEQS), if the results are to drinking water supply, compare results to the Drinking Water Standards (DWS).

.-+ where average indicates arithmetic mean

Additional Information

.-+ maximum concentration Indicates the maximum measured concentration from all monitoring results produced during the reporting year

Surface water EOS

Drinking water (public supply) standards

Drinking water (private supply) standards

Groundwater regulations GTV's

See Water Analysis results attached



Environmental Protection Agency

[PRTR# : P0710 | Facility Name : Mr Paul Tully | Filename : P0710_2014.xls | Return Year : 2014]

Guidance to completing the PRTR workbook

AER Returns Workbook

Version 1.1.18

REFERENCE YEAR	2014
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1. FACILITY IDENTIFICATION

Parent Company Name	Mr Paul Tully
Facility Name	Mr Paul Tully
PRTR Identification Number	P0710
Licence Number	P0710-03

Classes of Activity

No.	class_name
-	Refer to PRTR class activities below

Address 1	Moate Pig Unit
Address 2	Ballinakill
Address 3	Portlaoise
Address 4	
	Laois
Country	Ireland
Coordinates of Location	-7.281842 52.897227
River Basin District	IESE
NACE Code	0146
Main Economic Activity	Raising of swine/pigs
AER Returns Contact Name	Paul Tully
AER Returns Contact Email Address	paultully1@eircom.net
AER Returns Contact Position	Owner
AER Returns Contact Telephone Number	0578733595
AER Returns Contact Mobile Phone Number	0862310041
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	6
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)

3. SOLVENTS REGULATIONS (S.I. No. 543 of 2002)

Is it applicable?	No
Have you been granted an exemption ?	No
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

[Printer: PRT10 Facility Name: Mr Paul Tully] [Template: PRT10 2014.xls] Return Year: 2014

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SECTION A: SECTOR SPECIFIC PRTR POLLUTANTS

RELEASES TO AIR			Please enter all quantities in this section in KGs			
No. Annex II	POLLUTANT	Name	METHOD		QUANTITY	
			MICE	Method Code	T (Total) KG/Year	F (Fugitive) KG/Year
00						
01		Ammonia (NH3)	E	OTH	19470.0	0.0
05		Methane (CH4)	E	OTH	117667.0	0.0
		Nitrous oxide (N2O)	E	OTH	112.0	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 AIR			Please enter all quantities in this section in KGs			
No. Annex I	POLLUTANT	Name	METHOD		QUANTITY	
			MICE	Method Code	T (Total) KG/Year	F (Fugitive) KG/Year

* 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 AIR			Please enter all quantities in this section in KGs			
Pollutant No.	POLLUTANT	Name	METHOD		QUANTITY	
			MICE	Method Code	T (Total) KG/Year	F (Fugitive) KG/Year

* 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 generation. 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:

Mr Paul Tully

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

Total estimated methane generation (as per site model)	Methane flared	Methane utilised in on-site	Net methane emission (as reported in Section A above)	METHOD		Facility Total Capacity kg per hour
				MICE	Method Code	
0.0	0.0	0.0	0.0 (Total Flaring Capacity)			N/A
0.0	0.0	0.0	0.0 (Total Utilisation Capacity)			N/A
0.0	0.0	0.0	0.0			N/A

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

PRTR# : P0710 | Facility Name : Mr Paul Tully | Filename : P0710_2014.xls | Return Year : 2014 |

Please enter all quantities on this sheet in Tonnes

2002/2015 15:12 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 Haz Waste Name and Licence/Permit No of Receiver/Depositor	Haz Waste : Address of Next Destination Facility Next Haz Waste Address of Receiver/Depositor	Name and License / Permit No. and Address of Final Receiver / Depositor (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						W/C/E	Method Used					
Within the Country	02 01 02	No	34.0	animal-tissue waste	R3	M	Weighted	Offsite in Ireland	College Proteins,P0037-01	Nobber, Co Meath,Ireland, Ireland		
Within the Country	18 02 01	No	0.002	sharps except (18 02 02)	D10	M	Weighted	Offsite in Ireland	SRCL Ltd,534/08a	Industrial Estate,Naas Rd,Dublin 12,,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](#)

Email: info@oldcastlelabs.ie Website: www.oldcastlelabs.ie

CERTIFICATE OF ANALYSIS

Lab Ref No:	237209
Date Received:	25th November 2014
Customer Name:	Paul Tully, Tulleke Trading Ltd Moate Pig Farm
Address:	Boleybawn, Ballinakill, Co. Laois
Reporting Method:	Email
Sample Reference:	Storm Water Sample
Type of Sample:	Drinking Water
Condition of Sample:	Satisfactory
Commencement Date:	25th November 2014
Certificate Date:	1st December 2014

[illegible]

* - Subcontracted Test

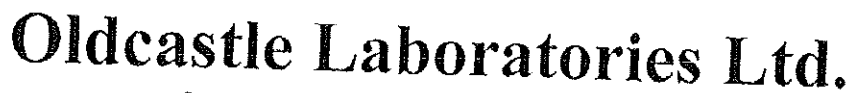
Signed :

Analyst

The Above results relate only to the sample submitted. This Certificate of analysis shall not be reproduced except in full without the approval of the laboratory.

$$\begin{aligned} \hat{P}_1 &= \hat{P}_1(0) + \hat{P}_1'(0) \hat{P}_1(0) + \frac{1}{2} \hat{P}_1''(0) \hat{P}_1(0)^2 + \frac{1}{6} \hat{P}_1'''(0) \hat{P}_1(0)^3 + \frac{1}{24} \hat{P}_1^{(4)}(0) \hat{P}_1(0)^4 \\ &+ \frac{1}{120} \hat{P}_1^{(5)}(0) \hat{P}_1(0)^5 + \frac{1}{720} \hat{P}_1^{(6)}(0) \hat{P}_1(0)^6 + \frac{1}{5040} \hat{P}_1^{(7)}(0) \hat{P}_1(0)^7 + \frac{1}{362880} \hat{P}_1^{(8)}(0) \hat{P}_1(0)^8 \\ &+ \frac{1}{26843520} \hat{P}_1^{(9)}(0) \hat{P}_1(0)^9 + \frac{1}{2090188800} \hat{P}_1^{(10)}(0) \hat{P}_1(0)^{10} + \frac{1}{167772160000} \hat{P}_1^{(11)}(0) \hat{P}_1(0)^{11} \\ &+ \frac{1}{13816673280000} \hat{P}_1^{(12)}(0) \hat{P}_1(0)^{12} + \frac{1}{1105333862400000} \hat{P}_1^{(13)}(0) \hat{P}_1(0)^{13} + \frac{1}{88426709000000000} \hat{P}_1^{(14)}(0) \hat{P}_1(0)^{14} \\ &+ \frac{1}{7074136720000000000} \hat{P}_1^{(15)}(0) \hat{P}_1(0)^{15} + \frac{1}{565930937600000000000} \hat{P}_1^{(16)}(0) \hat{P}_1(0)^{16} \\ &+ \frac{1}{45274475008000000000000} \hat{P}_1^{(17)}(0) \hat{P}_1(0)^{17} + \frac{1}{3621958000640000000000000} \hat{P}_1^{(18)}(0) \hat{P}_1(0)^{18} \\ &+ \frac{1}{291756640051200000000000000} \hat{P}_1^{(19)}(0) \hat{P}_1(0)^{19} + \frac{1}{23340531204096000000000000000} \hat{P}_1^{(20)}(0) \hat{P}_1(0)^{20} \\ &+ \frac{1}{1867242496327680000000000000000} \hat{P}_1^{(21)}(0) \hat{P}_1(0)^{21} + \frac{1}{149379399706214400000000000000000} \hat{P}_1^{(22)}(0) \hat{P}_1(0)^{22} \\ &+ \frac{1}{11950351976500000000000000000000000} \hat{P}_1^{(23)}(0) \hat{P}_1(0)^{23} + \frac{1}{956028158120000000000000000000000000} \hat{P}_1^{(24)}(0) \hat{P}_1(0)^{24} \\ &+ \frac{1}{76482252649600000000000000000000000000} \hat{P}_1^{(25)}(0) \hat{P}_1(0)^{25} + \frac{1}{611858021196800000000000000000000000000} \hat{P}_1^{(26)}(0) \hat{P}_1(0)^{26} \\ &+ \frac{1}{48948641695744000000000000000000000000000} \hat{P}_1^{(27)}(0) \hat{P}_1(0)^{27} + \frac{1}{391589133565952000000000000000000000000000} \hat{P}_1^{(28)}(0) \hat{P}_1(0)^{28} \\ &+ \frac{1}{31327130685276160000000000000000000000000000} \hat{P}_1^{(29)}(0) \hat{P}_1(0)^{29} + \frac{1}{250617045482210560000000000000000000000000000} \hat{P}_1^{(30)}(0) \hat{P}_1(0)^{30} \\ &+ \frac{1}{20050163638576844800000000000000000000000000000} \hat{P}_1^{(31)}(0) \hat{P}_1(0)^{31} + \frac{1}{160401309108614732800000000000000000000000000000} \hat{P}_1^{(32)}(0) \hat{P}_1(0)^{32} \\ &+ \frac{1}{12832104728689178624000000000000000000000000000000} \hat{P}_1^{(33)}(0) \hat{P}_1(0)^{33} + \frac{1}{102656837829513429760000000000000000000000000000000} \hat{P}_1^{(34)}(0) \hat{P}_1(0)^{34} \\ &+ \frac{1}{8212547026361074380800000000000000000000000000000000} \hat{P}_1^{(35)}(0) \hat{P}_1(0)^{35} + \frac{1}{65700376210888595072000000000000000000000000000000000} \hat{P}_1^{(36)}(0) \hat{P}_1(0)^{36} \\ &+ \frac{1}{5256030176871087605760000000000000000000000000000000000} \hat{P}_1^{(37)}(0) \hat{P}_1(0)^{37} + \frac{1}{42048241414968700846080000000000000000000000000000000000} \hat{P}_1^{(38)}(0) \hat{P}_1(0)^{38} \\ &+ \frac{1}{336385931319749606771200000000000000000000000000000000000} \hat{P}_1^{(39)}(0) \hat{P}_1(0)^{39} + \frac{1}{2691087450558000} \hat{P}_1^{(40)}(0) \hat{P}_1(0)^{40} \\ &+ \frac{1}{21528699604464000} \hat{P}_1^{(41)}(0) \hat{P}_1(0)^{41} + \frac{1}{172229596835712000} \hat{P}_1^{(42)}(0) \hat{P}_1(0)^{42} \\ &+ \frac{1}{1377836774685696000} \hat{P}_1^{(43)}(0) \hat{P}_1(0)^{43} + \frac{1}{110226941974854400} \hat{P}_1^{(44)}(0) \hat{P}_1(0)^{44} \\ &+ \frac{1}{881815535878835200} \hat{P}_1^{(45)}(0) \hat{P}_1(0)^{45} + \frac{1}{7054524287030688000} \hat{P}_1^{(46)}(0) \hat{P}_1(0)^{46} \\ &+ \frac{1}{56436194296245504000} \hat{P}_1^{(47)}(0) \hat{P}_1(0)^{47} + \frac{1}{4514903543700} \hat{P}_1^{(48)}(0) \hat{P}_1(0)^{48} \\ &+ \frac{1}{36119228350400} \hat{P}_1^{(49)}(0) \hat{P}_1(0)^{49} + \frac{1}{289753826803200} \hat{P}_1^{(50)}(0) \hat{P}_1(0)^{50} \\ &+ \frac{1}{23180306144256000} \hat{P}_1^{(51)}(0) \hat{P}_1(0)^{51} + \frac{1}{185442449154048000} \hat{P}_1^{(52)}(0) \hat{P}_1(0)^{52} \\ &+ \frac{1}{148353959323238400} \hat{P}_1^{(53)}(0) \hat{P}_1(0)^{53} + \frac{1}{1186831674585907200} \hat{P}_1^{(54)}(0) \hat{P}_1(0)^{54} \\ &+ \frac{1}{94946533966872576000} \hat{P}_1^{(55)}(0) \hat{P}_1(0)^{55} + \frac{1}{759572271$$

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CERTIFICATE OF ANALYSIS

Lab Ref No: 230622
Date Received: 24th January 2014
Customer Name: Paul Tully
Address: Tulleka Trading Ltd, Ballinakill, Co. Laois
Reporting Method: Email
Sample Reference: Water Sample, ZK006
Type of Sample: ☒ Drinking Water ☐ Surface Water/ Effluent
Condition of Sample: Satisfactory
Commencement Date: 24th January 2014
Certificate Date: 27th January 2014

* = Subcontracted Test

Analyst

Parametric Values are as per European Communities (No.2) Regulations 2007 on drinking water quality.
Nitrates (PV 11.3mg/l N = 50mg/l NO₃) and Nitrites (PV 0.03mg/l N = 0.1 mg/l NO₂) parametric values are expressed as N.
✓ = Test Results below accepted parametric values. ✗ = Test Results above maximum admissible concentration.

The Above results relate only to the sample submitted. This Certificate of analysis shall not be reproduced except in full without the approval of the laboratory

