

Facility Information Summary	
AER Reporting Year	2013
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 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.	The rearing of pigs in an installation

Signature Group/Facility manager (or nominated, suitably qualified and experienced deputy)	Date
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WATER-summary template		Lic No.	PO710-03	Year	2013
SURFACE WATER		Answer all questions and complete all tables where relevant			

1 Was it a requirement of your licence to carry out visual inspections on any surface water discharges or watercourses on or near your site? If yes please complete table W1 below summarising <u>only</u> any evidence of contamination noted during visual inspections	Yes	Additional information
--	-----	------------------------

Table W1 Visual inspections-Please only enter details where contamination was observed.

Location Reference	Date of inspection	Description of contamination	Source of contamination	Corrective action	Comments
			SELECT		
			SELECT		

2 Is it a requirement of your licence to carry out discharge to surface water monitoring? If Yes please complete Table W2 below	Yes
3 Please state what frequency you are required to complete surface water monitoring	Quarterly

Table W2: Storm/Surface water discharge monitoring

Surface water EQS				Please enter details only where results indicate contamination has occurred	
Emission reference no:	Parameter/ SubstanceNote 1	Date of Monitoring	Measured value	Unit of measurement	Comments
SW1	BOD	04/11/2013	1.25	mg/L	
SW1	BOD	06/03/2014	2.4	mg/L	

4 Is it a requirement of your licence to carry out licenced emissions monitoring? If Yes please complete Table W3 below	No
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Table W3: Licenced monitoring

Emission reference no:	Emission released to	Parameter/ SubstanceNote 1	Date of Monitoring	ELV or trigger values in licence or any revision thereof ^{Note 1}	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Comments
	SELECT	SELECT		See Water Analysis attached for well on site	SELECT		SELECT	SELECT	
	SELECT	SELECT			SELECT		SELECT	SELECT	
	SELECT	SELECT			SELECT		SELECT	SELECT	

Tank and Pipeline assessment reporting		Lic No:	P0710-03	Year:	2013
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
	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					

Type of Organic Fertiliser	Total organic fertiliser storage capacity (m3)	Opening Quantity of organic fertiliser (1 st January of reporting year)	Closing Quantity of organic fertiliser (1 st January of current calendar year)	Quantity of organic fertiliser generated by the animals housed on site in reporting year	Total quantity of organic fertiliser moved off site in reporting year (as recorded in the organic fertiliser register and "record 3" as submitted to DAFM*)	Where there is a difference between the amount moved off site (record 3 amount) and the amount generated (taking into account opening and closing amounts) provide details to account for this difference, e.g. applying organic fertiliser on unit's own landbank.	Have records of movement of organic fertiliser (record 3) for the reporting year been submitted to DAFM?
Pig Slurry/Poultry Litter	a	b	c	d	e	f	
Washwater (Poultry)							

*DAFM - Department of Agriculture Food and Marine

- Column **a** The total organic fertiliser storage capacity is calculated by summing storage capacity onsite. If applicable, Agency agreed off-site storage should be added to the total on-site.
- Column **b** This is the opening quantity of organic fertiliser recorded on 1st of January of AER reporting year
- Column **c** This is the quantity of organic fertiliser at close of reporting year calculated by recording the opening quantity on 1st January of the current calendar year
- Column **d** This is the quantity of organic fertiliser generated by the animals housed on site in the AER reporting year
- Column **e** Total quantity of organic fertiliser moved off site and recorded in the organic fertiliser register and "record 3" as submitted to DAFM* in AER reporting year
- Column **f** If there is a difference between the amount recorded in the Record 3 form submitted (e) and the amount recorded by adding together the opening quantity (b) and amount generated (d) and subtracting the closing quantity (c) i.e. if **e** does not match **b + d - c**, account for the mismatch, for example where the unit is applying organic fertiliser on their own landbank

Groundwater monitoring summary report

PO710-03

Lic No.

Year

2013

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
25/06/2013	Well on site	Enterococci	Annually	ug/l	>1			0
04/12/2013	Well on site	Enterococci	Annually	ug/l	>1			0

* please note exceedance of a relevant Groundwater threshold value (GTV) is a representative monitoring compliance does not indicate non compliance an exceedance triggers further investigation to confirm whether the threshold for poor groundwater environmental status is being met.

** depending on location of the site and proximity to other sensitive receptors a relevant water quality standard should be used in addition to the GTV's. If the site is close to surface water compare to Surface Water Environmental Quality Standards (SWEQS). If the site is close to drinking water supply compare results to the Drinking Water Standards (DWS).

.+ where average indicates arithmetic mean

Additional Information

See Water Analysis results attached

Groundwater regulations GTV's

Drinking water (private supply) standards

Surface water EOS

Drinking water (public supply) standards

Interim Guideline Values (IGV)

Additional Information

yes	
SELECT	

1 When did the site carry out the most recent energy efficiency audit?

2 Is the site a member of any accredited programmes for reducing energy usage/water conservation such as the SEAI programme linked to the right? If yes please list them in additional information (LIEN)
Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information

3

Table ER1 Energy usage on site

Energy Use	Previous year kWh	Current year kWh	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total				
Electricity		282,000	blank	blank
Fossil Fuels:				
Heavy Fuel Oil				
Light Fuel Oil		24875		
Natural gas				
Coal/Solid fuel				
Renewable energy generated on site				

* where consumption of energy can be compared to overall site production please enter this information as percentage increase or decrease compared to the previous reporting year.

** where site production information is available please enter percentage increase or decrease compared to previous year

Table ER2 Water usage on site

Water use	Previous year m3/yr.	Current year m3/yr.	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Groundwater		19892		
Surface water				
Public supply				
Total		19892		

* where consumption of water can be compared to overall site production please enter this information as percentage increase or decrease compared to the previous reporting year.

** where site production information is available please enter percentage increase or decrease compared to previous year

Table ER3: Energy Audit finding recommendations

Date of audit	Recommendations	Description of Measures proposed	Origin of measures	Predicted energy savings %	Implementation date	Responsibility	Completion date	Status and comments
			SELECT					
			SELECT					
			SELECT					

Answer all questions and fill in the Incident summary table 1 below

Complaints			
Have you received any environmental complaints in the current reporting year? If yes please state the total number received during the reporting year	<table border="1"> <tr> <td>Total new complaints received during reporting year</td> <td>No</td> </tr> </table>	Total new complaints received during reporting year	No
Total new complaints received during reporting year	No		

Have you received any environmental complaints in the current reporting year? If yes please state the total number received during the reporting year

Incidents		Additional information
Have any incidents occurred on site in the current reporting year? Please list all incidents for current reporting year in Table 1, below		
SELECT		

Have any incidents occurred on site in the current reporting year? Please list all incidents for current reporting year in Table 11 below

*For Information on how to report and what constitutes an incident.

Table 11: Incidents summary														
Date of occurrence	Incident nature	Location of occurrence	Incident category* please refer to guidance	Receptor	Cause of incident	Other cause (please specify)	Activity in progress at time of incident	Communication	Occurrence words	Corrective action <20 words	Preventative action <20 words	Resolution status	Resolution date	Likelihood of recurrence
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
Total number of incidents current year				SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT



Cogan St., Oldecastle, Co. Meath, Ireland.

Tel: (049) 8541160 . Fax: (049) 8541755

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

CERTIFICATE OF ANALYSIS

Lab Ref No: 225586
Date Received: 26th June 2013
Customer Name: Paul Tully, Moate Pig Farm
Address: Boleybawn, Ballinakill, Co. Laois
Reporting Method: Email **Email Address:** paultully1@eircom.net
Sample Reference: Water Sample Ref: Drinking Water At Tulleka
Type of Sample: ☒ Drinking Water ☐ Surface Water/ Effluent
Condition of Sample: Satisfactory
Commencement Date: 26th June 2013
Certificate Date: 27th June 2013

* = Subcontracted Test

Robert Buman
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



Tel: (049) 8541160 , Fax: (049) 8541755

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

CERTIFICATE OF ANALYSIS

Lab Ref No: 229505
Date Received: 4th December 2013
Customer Name: Paul Tully
Address: Moate Pig Farm, Boleybawn, Ballinakill, Co. Laois
Reporting Method: Email **Email Address:** paultully1@eircom.net
Sample Reference: Well Water, ZK001
Type of Sample: ☒ Drinking Water ☐ Surface Water/ Effluent
Condition of Sample: Satisfactory
Commencement Date: 4th December 2013
Certificate Date: 11th December 2013

* = Subcontracted Test

P. Reynolds
Analyst

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.

X = Test Results above maximum admissable 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



Cogan St., Oldcastle, Co. Meath, Ireland.

Tel: (049) 8541160 , Fax: (049) 8541755

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

CERTIFICATE OF ANALYSIS

Lab Ref No:	229506
Date Received:	4th December 2013
Customer Name:	Paul Tully
Address:	Moate Pig Farm, Boleybawn, Ballinakill, Co. Laois
Reporting Method:	Email Email Address: paultully1@eircom.net
Sample Reference:	Storm Water, ZK001
Type of Sample:	☒ Drinking Water ☐ Surface Water/ Effluent
Condition of Sample:	Satisfactory
Commencement Date:	4th December 2013
Certificate Date:	11th December 2013

* = Subcontracted Test

Analyst P. Reynold

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.

X = Test Results above maximum admissable 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



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AER / PRTR Emissions Data Upload Queued for Processing

Your AER / PRTR Emissions Data XML Return file has been queued for automatic checking by our data system.

Please retain your tracking number below by printing this page. You should also electronically copy and paste the tracking number to a "Word" document and save this to your AER / PRTR Reporting folder on your computer under the name "2XXX AERPRTR Emissions Data XML Return Tracking Number.doc" (Where 2XXX is the year).

Your file will now undergo automated checking, you will receive a verification email within 24 hours. This email will specify one of two things:

Your file has passed the automated checking and the data has been imported successfully into the AER/ PRTR Database.

OR

Your file has failed the automated checking, and the data has not been imported into the AER / PRTR database. Please correct the identified error(s) in your Excel file and then create and upload your AER / PRTR Emissions data return again.

EPA Licence holders may now proceed to the Second AER / PRTR Reporting Task, the submission of your Full AER or Annual Environmental Report.

Non EPA-Licensed facilities have now completed your obligations to report under the PRTR Regulations. However, your report will be assessed in relation to its quality, completeness, consistency and credibility, and it is possible that further refinement or review of the information may be required by the EPA following the date of your submission.

Important - Your upload is not complete until you receive the confirmation email which confirms that the file has passed the import validation.

Tracking Number: 27ecec37e66678ab3d07f6bb7c5107db



Environmental Protection Agency

| PRTR# : P0710 | Facility Name : Mr Paul Tully | Filename : P0710_2013.xls | Return Year : 2013 |

Guidance to completing the PRTR workbook

AER Returns Workbook

Version 1.1.18

REFERENCE YEAR	2013
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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

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.

Address 1	Mr Paul Tully
Address 2	Moate Pig Unit
Address 3	Ballinakill
Address 4	Portlaoise, County 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/Manager
AER Returns Contact Telephone Number	.
AER Returns Contact Mobile Phone Number	086-2310041
AER Returns Contact Fax Number	.
Production Volume	0.0
Production Volume Units	.
Number of Installations	1
Number of Operating Hours in Year	8760
Number of Employees	8
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 ?	.

4.1 RELEASES TO AIR

Link to previous years emissions data

| PRTR# : P0710 | Facility Name : Mr Paul Tully | Filename : P0710_2013.xls | Return Year : 2013 |

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SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

RELEASES TO AIR			Please enter all quantities in this section in KGs				
POLLUTANT	Name	M/C/E	METHOD		QUANTITY		
			Method Code	Method Used	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
08	No. Annex II						
01	Ammonia (NH3)	E	OTH	Designation or Description	0.0	19479.0	0.0
05	Methane (CH4)	E	OTH		0.0	117897.0	0.0
	Nitrous oxide (N2O)	E	OTH		0.0	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				
POLLUTANT	Name	M/C/E	METHOD		QUANTITY		
			Method Code	Method Used	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
No. Annex II					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 AIR			Please enter all quantities in this section in KGs				
POLLUTANT	Name	M/C/E	METHOD		QUANTITY		
			Method Code	Method Used	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
Pollutant No.					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:

Mr Paul Tully

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

T (Total) kg/Year	M/C/E	METHOD		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# : P0710 | Facility Name : Mr Paul Tully | Filename : P0710_2013.xls | Return Year : 2013]
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	Hinc Waste : Name and Licence/Permit No of Next Destination Facility Hinc Waste : Name and Licence/Permit No of Receptor/Disposer	Hinc Waste : Address of Next Destination Facility Non Hinc Waste : Address of Receptor/Disposer	Name and Licence / Permit No. and Address of Final Receptor / 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	31.0	animal-tissue waste	R3	M	Weighted	Offsite in Ireland	College Proteins, P0037-01	Meath, Ireland, Ireland		
Within the Country	18 02 01	No	0.003	sharps except (18 02 02)	D10	M	Weighted	Offsite in Ireland	SRCL Ltd, S34/08a	Industrial Estate, Naas Rd, Dublin 12, Ireland		

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