Facility Information Summary			
AER Reporting Year	2017		
Licence Register Number		PO710-03	
Name of site	M	oate Pig Farm	
Site Location		Portlaoise, Co. Laois.	
NACE Code			
Class of Activity	6.2 (As in Fire	st Schedule of EPA Acts)	
National Grid Reference (6E, 6 N)		380 - 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;			
<u> </u>		The rearing of pigs in	n an installation
-			
Declaration:			
Declaration: All the data and information presented in this repo	rt has been absolved and		

Date

Signature

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

Was it a requirement of your licence to carry out visual in site? If yes please complete table W1 below summari		SURFACE WATER	WATER-summary template
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 any evidence of contamination noted during visual inspections</u>		Answer all questions and complete all tables where relevant	Lic No:
ur Water analysis reports indicate no pollution Yes issues in the surface water at this site.	Additional information		PO710-03 Year 2017
indicate no pollution water at this site.			

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Table W
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Is it a requirement of your licer			veletelice inspection		
Is it a requirement of your licence to carry out discharge to surface water monitoring? If Yes please			Description of contamination		
	SELECT	SELECT	contamination	Source of	
			Corrective action		
			Comments		

3 Please state what frequency you are required to complete surface water monitoring

Quarterly

Yes

complete Table W2 below

Table W2: 9	Storm/Surface	Table W2: Storm/Surface water discharge monitoring	nonitoring		Surface water EQS	Please enter details only where results indicate contamination has occurred	dicate contamination has occurred
Emission reference no:	Parameter/ SubstanceNote 1	Emission Parameter/ reference no: SubstanceNote 1 Date of Monitoring	Measured value	leasured Unit of measurement	Comments	Description of contamination	
				mg/L			
				mg/L			
				The second second second			

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

Table W3: Licenced monitoring

					reference no: released to	roforono no:	Emission Emi	
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				Comments	Comments			

licence conditions Note 1: Where Emission Limit Values (ELV) do not apply to your licence please compare results against EQS for Surface water or relevant receptor quality standards. Trigger values may be agreed by the Agency outside of

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Lic No: PO710-03 Year:	Additional information if required				6 66	rz anu iro as applicable	ur licence to carry out a t		
	2017		710-03	PC	Lic No:	DO and TDO as as limble	d complete Tables TB1 T	Answer all questions an	

Organic fertiliser storage capacity	Lic No:	P0710-03	Year:	2017
Please complete the table using the explanation of ent	ntries below as a guide			
Table OFS.1 Storage capacity for Organic Fertiliser				

Washwater (Poultry)	Pig Slurry/Poultry Litter	Type of Organic Fertiliser
	Ø	Total organic fertiliser storage capacity (m3)
	1850	Opening Quantity of organic fertiliser (1 st January of reporting year)
	2235	Closing Quantity Quantity of of organic organic fertiliser (1st generated b January of current calendar on site in year)
	d	Quantity of organic fertiliser fertiliser move generated by the reporting year animals housed on site in register and "reporting year submitted to D
	11306 f	Quantity of Quantity of organic fertiliser fertiliser moved off site in generated by the reporting year (as recorded animals housed in the organic fertiliser on site in register and "record 3" as reporting year submitted to DAFM*)
	f	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.
	Yes	Have records of movement of organic fertiliser (record 3) for the reporting year been submitted to DAFM?

^{*}DAFM -Department of Agriculture Food and Marine

Column ${f b}$ This is the opening quantity of organic fertiliser recorded on ${f 1}^{t}$ of January of AER reporting year 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 C This is the quantity of organic fertiliser at close of reporting year calculated by recording the opening quantity on I January of the current calendar year

Column ${f d}$ 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

substracting the closing quantity (C) i.e. if e does not match b + d - C, account for the mistmatch, for example where the unit is applying organic fertiliser on their own landbank Column f If there is a difference between the amount recorded in the Record 3 form submitted (a) and the amount recorded by adding together the opening quantity (b) and amount generated (d) and

Groundwater monitoring summary report	Lic No: 1858 1958 2000 P0710-03 1958 1959 Secure Per Year 1958 2017 Been Secure
	Comments
Are you required to carry out groundwater monitoring as part of your licence	
requirements? If Yes complete table GW1 below	yes
Were any results in exceedance of a relevant Groundwater threshold Groundwater	
2 value (GTV) ? regulations GTV's no	no
What measures were taken to investigate the exceedances of GTV's? detail in additional	
3 information section below	SELECT

Table GW1:Groundwater monitoring results

Mar		Т	L		
* please note e			sampling	Date of	
xceedance of			reference		Sample
a relevant Groundwater thresh			Substance frequency	Parameter/	
Groundwater threshold			frequency	Monitoring	
value (GTV) at a repres	ug/l	ug/l	unit		
presentative monitoring poi	>1	>1	GTV's*		
nt does not indicate o			IGV		
on compliance, an exceedance			Maximum Concentration		
e triggers furthas an	0	0	Concentration	Average	

confirm whether the criteria for poor groundwater chemical status are being met.

.+ where average indicates arithmetic mean **Depending on location of the site and proximity to other sensitive receptors alternative Receptor based Water Quality standards should be used in addition to the GTV e.g. if the site is close to surface water compare to Surface Water Environmental Quality Standards (SWEQS). If the site is close to a drinking water supply Surface water compare to Surface Water Environmental Quality Standards (SWEQS). If the site is close to a drinking water supply Surface water Standards (DWS)

Additional Information

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

Water analysis has been done and no problems have been seen for any parameter analysed.

Groundwater Drinking water regulations (private supply) Drinking water (public Interim Guideline

supply) standards

GTV's

standards

Values (IGV)

ω	2	ь		_
Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information	Is the site a member of any accredited programmes for reducing energy usage/water conservation such <u>Energy Network</u> as the SEAI programme linked to the right? If yes please list them in additional information <u>(LIEN)</u> yes	When did the site carry out the most recent energy efficiency audit?	٦	Resource usage/ Energy Efficiency Lic No: P0710-03 y
SELECT	es			Year
			Additional information	2017

Table ER1 Energy usage on site	ge on site				
			Production +/- % Energy	Energy	
			compared to	Consumption +/- %	
			previous reporting vs overall site	vs overall site	
Energy Use	Previous year kWh	Current year kWh	year**	production*	
Total					
Electricity	498,425	510.326 blank		hlank	
Fossil Fuels:					
Heavy Fuel Oil					
Light Fuel Oil	6929	5142			Korosono only used for weapons and the
Natural gas		'			ixeroserie ority used for weather section now.
Coal/Solid fuel					
Renewable energy generated on site					
* where concumption of energy can be compared to assembly it.	compared to constitution				

* 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

			Production +/- %		
			compared to	Water Consumption	
			previous reporting	previous reporting +/- % vs overall site	
Water use	Previous year m3/yr	Current year m3/yr.	year**	production*	
Groundwater	19551	18681			-4% Pigs grow hotter and factor in this con-
Surface water					65 8, cas secret and laster in this year.
Public supply					
Total					
TOTAL	19551	18681			

^{*} 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

				Date of audit		Table ER3: Er
				Recommendations		Table ER3: Energy Audit finding recommendations
			_	Measures proposed Origin of measures savings %	Description of	ndations
SELECT	SELECT	Cri nor	SELECT	Origin of measures		
				savings %	Predicted energy	
				Implementation date Responsi		
				Responsibility		
				Completion date		
			00111110110	Comments	Status and	

Total number of incidents current						Date of occurrence Incident nature		Table I1: Incidents summary		*For information o	Have any incider				Have you receiv					Answer all question
	SELECT	SELECT	SELECT	SELECT	SELECT	Incident nature		summary	an incident	*For information on how to report and what constitutes	nts occurred on site in the curr		rece	any environmental compl.	ved any environmental comple					Answer all questions and fill in the incident summary table I1 below
OCCUPATION OF THE PROPERTY OF	SELECT	SELECT	SELECT	SELECT	SELECT	Location of occurrence			What is an incident	stitutes	Have any incidents occurred on site in the current reporting year? Please list all incidents for current reporting year in Table It below	Incidents	received during the reporting year	recording year? If yes please state the total number					Com	nmary table I1 below
SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	refer to guidance	incident category*				ents for current reporting year in	ents		es please state the total number					Complaints	
SELECT	SELECT	SELECT	OFFICE I	SELECT	SELECT	Receptor					SELECT		No							
SELECT	SELECT	SELECT	SELECT	SELECT	SELECT INCIDENT	Cause of incident					Additional information				reporting year	received during	Total new complaints			
					specify	cause(please	Other			L	on [ا			-		its	1	_	icai
SELECT	SELECT	SELECT	SELECT	SELECT	Incident	at time	Activity in													/107
	SELECT		SELECT		nication															
SELECT	SELECT	SELECT	SELECT	SELECT	nce															
					words	Corrective action<20 action <20														
					words	action <20	Preventative													
SELECT	SELECT	SELECT	SELECT	SELECT	Resolution status date															
					s date	Resolution														
SELECT	SELECT	SELECT	CELECT	SELECT	reoccurence	Liklihood of														



| PRTR# : P0710 | Facility Name : Mr Paul Tully | Filename : P0710_2017.xls | Return

Guidance to completing the PRTR workbook

PRTR Returns Workbook

Version 1.1.19

REFERENCE YEAR 2017 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@live.com **AER Returns Contact Position** Owner AER Returns Contact Telephone Number 086-2310041 AER Returns Contact Mobile Phone Number 086-2310041 **AER Returns Contact Fax Number**

Production Volume
Production Volume Units

Number of Installations
Number of Operating Hours in Year
Number of Employees
User Feedback/Comments

Web Address

2. PRTR CLASS ACTIVITIES

	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?	
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

26/03/2018 12:35

4.1 RELEASES TO AIR

Sheet: Releases to Air

Link to previous years emissions data

| PRTR#: P0710 | Facility Name : Mr Paul Tully | Filename : P0710_2017.xis | Return Year : 2017 |

		RELEASES TO AIR	荿				おおという とうとう はんかい		THE RESERVE OF THE PERSON NAMED IN
		POLLUTANT		4	METHOD			QUANTITY	
	THE REAL PROPERTY.				Method Used				
No. Annex II	ex 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
90	THE REPORT OF THE PARTY OF THE	Ammonia (NH3)	0		EPA Toolset	0	16525,3		16525.3
Market Street,		Methane (CH4)	0		EPA Toolset	0	.0 101466.3		101466.3
05		Nitrous oxide (N2O)	O	ОТН	EPA Toolset	0	0 95.7	7 00 957	95.7
		* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button	click the delete button						

SECTION B : REMAINING PRTR POLLUTANTS

	RELEASES 10 AIR						
	POLLUTANT	W	ТЕТНОВ			QUANTITY	
			Method Used				
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/Ye
				0	0	0.0	0

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

POLLUTANT METHOD METHOD QUANTITY QUANTITY Pollutant No. Name M/C/E Method Code Designation or Description Emission Point 1 T (Total) KG/Year A (Accidental) KG/Year F (Funtive) KG		RELEASES TO AIR						The second second
MIC/E Method Code Description Emission Point 1 T (Total) KG/Year A Accidental) KG/Year	POLLUTANT		ME	THOD			QUANTITY	
M/C/E Method Code Description Emission Point 1 T (Total) KG/Year A (Accidental) KG/Year				Method Used				
	Pollutant No.	N	Method	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) 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 (Methans) flaved or utilisities to accommy the figures for total methans generated. Operators should only report their methans (CH4) emission to the environment under T(lotal) KG/yr for Section A. Sector specific RFIT pollutants above. Pease complete the table below:

Please enter summary data on the quantities of methane flared and / or utilised Method Used Method Used T (Total) kg/Year MiC/E Method Code Description Partify Total Capacity m3 Total estimated methane generation (as per site model) 0.0 N/A N/A N/A (Total Flaring Capacity) Net methane talised in expinels 0.0 0.0 (Total Utilsing Capacity) N/A N/A Net methane emission (as reported in Section A above) 0.0 (Total Utilsing Capacity) N/A	Landfill:	Mr Paul Tully				Г	
T (Total) kg/Year M/C/E Method Code Description or Facility Total Capacity or per hour per hour 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Please enter summary data on the quantities of methane flared and / or utilised			Met	od Used		
0.0 0.0 0.0 0.0 0.0		T (Total) kg/Year	M/C/E	Method Code	Designation or Description	Facility Total Capacity m3	
0.00 0.00 0.00	Total estimated methane generation (as per site model)		0.0			N/A	
e/N	Methane flared Methane flared Methane utilised in engine/s		0.0			0.0	(Total Flaring Capacity) (Total Utilising Capacity)
	Net methane emission (as reported in Section A above)		0.0				

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Sheet: Treatment Transfers of Waste

PRTR#: P0710 Facility Name : Mr Paul Tully Filename : P0710 2017 Vie Behrm Voor : 2017	r all quantities on this sheet in Tonnes	
ENT & OFFSITE TRANSFERS OF WASTE	Please ent	

				Salura an administra on this sheet in 10mies								26/03/2018 12:33
Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	t mt M/C/E	Waste Treatment Operation M/C/E Method Used	Location of Treatment	Haz Waste : Name and Leence/Fermit No of Next Destination Facility Haz Waste, Name and Leance/Permit No of Recover/Disposer	Laz Waste : Address of Next Destruction Facility Nort 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 (s Final Recovery / Disposal Sile (HAZARDOUS WASTE ONLY)
Within the Country 02 01 02	12 01 02	No	45.2 a	45.2 animal-tissue waste	83	2	70(0)	100000000000000000000000000000000000000		Nobber, Co		(
Within the Country 18 02 01	8 02 01	o _N	0.003 s	0.003 sharps except (18 02 02)	D10	Σ	Weighed	Offsite in Ireland College Proteins, PO Offsite in Ireland SRCL Ltd, 534/08a	Orisite in Ireland College Proteins, P0037-01 Meath, Ireland Ireland industrial Estate. Naas Offsite in Ireland SRCL Ltd.534/08a Rd.Duhlin 12 Ireland	Meath, Ireland Ireland Industrial Estate Naas Rd Dublin 12 Ireland		

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

AER PRTR Intensive Agriculture Emissions Calculation 2016 DataEntryOutputPigs Environmental Protection Agency

Annual Environmental Report: Summary of Emissions and Waste Transfers

Intensive Agriculture Emissions Calculation Tool for AER / PRTR Reporting Version 2 April 2009

2017 Reporting year: Facility Name: Moate Pig Farm Licence Reg. No.: PO 710 03 Data Entry and Calculation Output Sheet

Data Entry table: Pig Farms

Input (in the yellow boxes) the annual average number of animals

- Note: the animal number for each type of swine (fattener; boars;etc) should be the average number in the facility over the 12 month period and should accord with your stocking register for the year.
- Stock counts on a monthly basis can be added and the total divided by 12 for each animal type.
- If stock counts are only available for lesser frequencies, i.e quarterly, then the average of these counts should be used to give the annual stock figures

Enter PIG NUMBERS in each class: HOUSING

	dafa entry:
Class	Pig Number / year
Suckling sow+litter	144
Dry sow	502
Boars	4
Maiden gilts	58
Weaners (7 to 35 kg)	3,976
Finishers (35 to 98 kg)	3,856

STORAGE Enter surface area (see Surface Area	a of OUTDOOR U	Enter surface area of OUTDOOR UNCOVERED STORAGE (see Surface Area Calculation for a simple tool for this purpose)	Enter the form of
	data entry:		
Unit number	Surface Area m²	Does the facility employ:	ity employ:
Slurry storage 1			Liquid Manure Storage:
Slurry storage 2		ν.	Solid Manure storage:
Slurry storage 3		(Note: the default assumption is Liquid Storage)	ption is Liauid Storage)
Slurry storage 4			(B
Others	The second secon		
Total	0		

appropriate box:

YES

Enter Yes in data entry.

Enter the form of Manure Storage

FORM OF MANURE STORAGE

Data Output Table Pig Farms

- The following table provides the output data in the appropriate format for reporting via the "Releases to Air" Worksheet of the EPA Electronic AER Reporting Workbook
 - The information must be entered manually; do NOT attempt to use the Cut or Copy methods for this task.
 - All housing and storage emissions should be entered as Fugitive Emissions

大学 というというない			F (Fugitive)	אמן במו	16,525.3	101,466.3	95.7
	QUANTITY		A (Accidental)	ı	0	0	0
AND SHAPE OF SHAPE OF			Emission Point 1 T (Total) KG/Vear	1 (10tal) 110/10al	16,525.3	101,466.3	95.7
では、日本の数の数には			Emission Point 1	בווווססוסוו ו	0	0	0
		Method Used	Designation or Description	- 1	EPA Calculation tool	EPA Calculation tool	EPA Calculation
	METHOD	Metho	Method Code		NRB	NRB	NRB
RELEASES TO AIR			M/C/E		O	O	O
RELEA	POLLUTANT		Name		Ammonia (NH3)	Methane (CH4)	Nitrous oxide (N2O)
	POL		No. Annex II	The second secon	90	10	90