Facility Information Summary	
AER Reporting Year	2017
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;	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 Group/Facility manager (or nominated, suitably qualified and experienced deputy)	Date

WATER-summary template	Lic No:	PO710-03	Year	2017
SURFACE WATER	Answer all questions and complete all tables where relevant			

			Additional information
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 only any evidence of contamination noted during visual inspections	Yes	Water analysis reports indicate no pollution issues in the surface water at this site.

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	Description of contamination	Corrective action
				mg/L			
				mg/L			

4	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

Emission reference no:	Emission released to	Parameter/ SubstanceNote 1	Date of Monitoring	ELV or trigger values in licence or any revision therof[Note 1]	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Comments
	SELECT	SELECT			SELECT		SELECT	SELECT	
	SELECT	SELECT			SELECT		SELECT	SELECT	
	SELECT	SELECT			SELECT		SELECT	SELECT	

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 licence conditions

Tank and Pipeline assessment reporting Lic No: PO710-03 Year: 2017

Answer all questions and complete Tables TP1,TP2 and TP3 as applicable

						Additional information if required
1	Is it a requirement of your licence to carry out a tank and pipeline assessment for effluent storage on site?				Yes	
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?				Yes	
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				Yes	
4	What method has been proposed for the testing of under and over ground effluent storage tanks and pipelines?				Visual	
5	Have all structues 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.				Yes	
6	If Visual inspection was the method used were any cracks or defects detected? If yes please detail in additional information				SELECT	
7	If yes to Q6 have the cracks or defects been repaired successfully? If no please explain in additional information				SELECT	
8	If hydrogeological or geophysics investigation methods were used was there any evidence of contamination detected? If yes please detail in additional information				No	
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 Agricultures S126 and EPA guidance on Storage and Bunding of materials for required systems	S126.pdf	bunding and storage guidelines		SELECT	
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)				SELECT	
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				SELECT	
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				SELECT	
14	When is the next tank and pipeline assessment due?					
15	Does the licensee consider they are compliant with licence conditions?				SELECT	
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					

Organic fertiliser storage capacity Lic No: PO710-03 Year: 2017

Please complete the table using the explanation of entries below as a guide

Table OFS.1 Storage capacity for Organic Fertiliser

Type of Organic Fertiliser	Total organic fertiliser storage capacity (m3)	Opening Quantity of organic fertiliser (1st January of reporting year)	Closing Quantity of organic fertiliser (1st 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**	**1850**	**2235**	**d**	**11306**	**f**	**Yes**
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 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

Groundwater monitoring summary report

Lic No: PO710-03 Year 2017

			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
				ug/l	>1			0
				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 groundwater chemical status are being met.

**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 compare results to the Drinking Water Standards (DWS)

Surface water EQS	Groundwater regulations GTV's	Drinking water (private supply) standards	Drinking water (public supply) standards	Interim Guideline Values (IGV)

.+ where average indicates arithmetic mean .++ maximum concentration indicates the maximum measured concentration from all monitoring results produced during the reporting year

Additional Information

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

Resource usage/ Energy Efficiency	Lic No:	PO710-03	Year	2017

			Additional information
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	SEAI - Large Industry Energy Network (LIEN)	
3	Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information	yes	
		SELECT	

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	498,425	510,326	blank	blank
Fossil Fuels:				
Heavy Fuel Oil				
Light Fuel Oil	6929	5142		
Natural gas				
Coal/Solid fuel				
Renewable energy generated on site				

Kerosene only used for weaner section now.

* 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**	Water Consumption +/- % vs overall site production*
Groundwater	19551	18681		-4%
Surface water				
Public supply				
Total	19551	18681		

Pigs grew better and faster in this year.

* 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					

Complaints and incidents summary	Lic No:	PO710-03	Year	2017

Answer all questions and fill in the incident summary table I1 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		Total new complaints received during reporting year
	No	

Incidents

Have any incidents occurred on site in the current reporting year? Please list all incidents for current reporting year in Table I1 below		Additional information
	SELECT	

*For information on how to report and what constitutes an incident	What is an incident

Table I1: 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	Corrective action<20 words	Preventative action <20 words	Resolution status	Resolution date	Liklihood of reoccurence
	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														

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

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	0.0
Production Volume Units	1
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	5
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. WASTE IMPORTED/ACCEPTED ONTO SITE

Guidance on waste imported/accepted onto site

4.1 RELEASES TO AIR Link to previous years emissions data | PRTR# : P0710 | Facility Name : Mr Paul Tully | Filename : P0710_2017.xls | Return Year : 2017 | 26/03/2018 12:35

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

RELEASES TO AIR								
POLLUTANT		METHOD				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/Year
06	Ammonia (NH3)	C	OTH	EPA Toolset	0.0	16525.3	0.0	16525.3
01	Methane (CH4)	C	OTH	EPA Toolset	0.0	101466.3	0.0	101466.3
05	**Nitrous oxide (N2O)**	C	OTH	EPA Toolset	0.0	95.7	0.0	95.7

* 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								
POLLUTANT		METHOD				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/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)

RELEASES TO AIR								
POLLUTANT		METHOD				QUANTITY		
			Method Used					
Pollutant No.	Name	M/C/E	Method Code	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 Paul Tully

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

Please enter all quantities on this sheet in Tonnes

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year) --	Description of Waste	Waste Treatment Operation	Method Used M/C/E	Method Used	Location of Treatment	Haz Waste : Name and Licence/Permit No of Next Destination Facility Non Haz Waste: Name and Licence/Permit No of Recover/Disposer	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)
Within the Country	02 01 02	No	45.2	animal-tissue waste	R3	M	Weighed	Offsite in Ireland	College Proteins,P0037-01	Nobber,Co Meath,Ireland,,,Ireland		
Within the Country	18 02 01	No	0.003	sharps except (18 02 02)	D10	M	Weighed	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

Annual Environmental Report: Summary of Emissions and Waste Transfers

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

Data Entry and Calculation Output Sheet

Facility Name: *Moate Pig Farm*

Licence Reg. No.: PO 710 03 Reporting year: 2017

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

HOUSING
Enter PIG NUMBERS in each class:

Class	*data entry:* 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 of OUTDOOR UNCOVERED STORAGE
(see Surface Area Calculation for a simple tool for this purpose)

Unit number	*data entry:* Surface Area m²
Slurry storage 1	
Slurry storage 2	
Slurry storage 3	
Slurry storage 4	
Others	
Total	0

FORM OF MANURE STORAGE
Enter the form of Manure Storage

	data entry: Enter Yes in appropriate box:
Does the facility employ:	
Liquid Manure Storage:	YES
Solid Manure storage:	

(Note: the default assumption is Liquid 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**

RELEASES TO AIR								
POLLUTANT		METHOD				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/Year
06	Ammonia (NH3)	C	NRB	EPA Calculation tool	0	16,525.3	0	16,525.3
01	Methane (CH4)	C	NRB	EPA Calculation tool	0	101,466.3	0	101,466.3
05	Nitrous oxide (N2O)	C	NRB	EPA Calculation tool	0	95.7	0	95.7