



Michael Sweeney
Mooresfort
Lattin
Co. Tipperary
Tel 062 55385
Fax 062 55483
E-mail m.sweeney@nrge.ie

**OFFICE OF ENVIRONMENTAL ENFORCEMENT
ENVIRONMENTAL PROTECTION AGENCY
JOHNSTOWN CASTLE ESTATE
WEXFORD**

30th November 2009

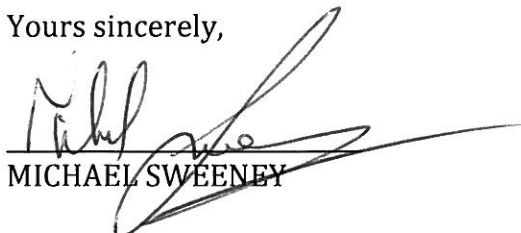
RE: IPC REG No P0447-01

Dear Sir/Madam,

On behalf of my client Mr James McGrath, of Ballynameelagh, Cappagh, Co Waterford, I herein submit the Annual Environmental Report for 2008 (AER 2008), which has been prepared for this site in compliance with the requirements of the conditions of IPC Licence P0447-01.

I attach one original and two copies for your files. If you should require any further information in respect of this matter, please give me a call.

Yours sincerely,


MICHAEL SWEENEY

N.R.G.E. Ltd.
Nutrient Recovery to Generate Electricity Ltd.
Mooresfort, Lattin, Co. Tipperary.
Tel: 062 55385
VAT. No: 6412619V

ANNUAL ENVIRONMENTAL REPORT

2008

Licence Register No: P0447-01

Licensee: James McGrath

Location of Activity: Ashleigh House,
Ballynameelagh,
Cappagh,
Co. Waterford

November 2009

PREPARED BY: Michael Sweeney & Associates, NRG, Mooresfort, Lattin, Co. Tipperary.

TABLE OF CONTENTS

1. INTRODUCTION
2. DESCRIPTION OF SITE ACTIVITIES
3. SUMMARY INFORMATION
 - 3.1 PIG MANURE STORAGE CAPACITY
 - 3.2 PIG MANURE ANALYSES
 - 3.3 ALTERATIONS TO CUSTOMER LIST FOR PIG MANURE
 - 3.4 CONTRACTORS UNDERTAKING DELIVERY OF PIG MANURE
 - 3.5 PIG MANURE REGISTER
 - 3.6 FERTILISER PLAN
 - 3.7 WASTE NOT DESTINED FOR LANDSPREADING
 - 3.8 ENVIRONMENTAL INCIDENTS AND COMPLAINTS
 - 3.9 SELF MONITORING DATA
4. MANAGEMENT OF THE ACTIVITY
 - 4.1 CORRECTIVE ACTION
 - 4.2 AWARENESS AND TRAINING
 - 4.3 RESPONSIBILITIES
 - 4.4 COMMUNICATIONS
 - 4.5 VERMIN CONTROL
 - 4.6 NOTIFICATION PROCEDURES
5. TANK AND PIPELINE TESTING AND INSPECTION REPORT

ATTACHMENTS

- ATTACHMENT No 1.....Surface water discharge monitoring
ATTACHMENT No 2.....Waste management records
ATTACHMENT No 3.....Environmental operating procedures
ATTACHMENT No 4.....AER/PRTR Spreadsheets

1. INTRODUCTION

The reports set out in this document are presented as part fulfilment of the licensee obligations under its Integrated Pollution Control License.

LICENSEE;James McGrath

LICENCE REG No.....Reg No P0447-01

LOCATION OF ACTIVITY.....Ashleigh House, Ballynameelagh,
Cappagh, Co. Waterford

I.P.C. CLASS No.....6.2.

I.P.C. CLASS DESCRIPTION:

The rearing of pigs in installations, whether within the same complex or within 100 meters of that complex. Where the capacity exceeds 285 places for sows in an integrated unit, where 'integrated unit' means a piggery in which pigs are bred and reared to slaughter.

2. DESCRIPTION OF SITE ACTIVITIES

This pig production unit is located in a wholly agricultural area in the townland of Ballynameelagh, Cappagh, Co. Waterford, about 3.8 Kilometres due east of Dungarvan.

The unit has been licensed by the Environmental Protection Agency since 28th August 2000, and the operating capacity of the site is set out in Table 1 below;

Animal type	Stock Number as per IPC Reg. 447	Average stock Numbers for 2005	Average stock Numbers for 2006	Average stock Numbers for 2007	Average stock Numbers for 2008
Suckling Sows	199	195	165	165	176
Dry Sows	701	608	642	642	687
Boars	20	10	11	11	10
Maiden Gilts	65	65	60	60	60
Weaners	3100	2700	2931	2931	2993
Finishers	4500	4100	4389	4389	2498

TABLE 1 Average stocking level at this site.

3. SUMMARY INFORMATION

5640 tonnes of animal feed, 20,504 M3 water, 196757 units of electricity, and 31,000 litres of heating oil were utilised on site, during 2006, in the production of pig meat. This data is set out in Table 2, for comparison with 2004/2005 figures.

UNIT	2004	2005	2006	2007	2008
Animal Feed	5283 Tonnes	5363	5170	6100	5640
Heating Oil	24,500 Litres	23,566	21,275	23,910	31,000
Electricity	460,000 Units	439,909	196,757	192,338	194,547
Water	20,454 M3	22,306	24,670	20,356	20,504

Table 2: Summary of feed, heating oil, electricity & water usage on site

3.1 PIG MANURE STORAGE CAPACITY

The available pig manure storage capacity is recorded weekly on site. This data is summarised in Table 3 hereunder, and presented as the % of storage capacity available at the end of each month. It is clear that there is sufficient suitable storage available on site.

MONTH	2004	2005	2006	2007	2008
January	27	29	34	29	30
February	30	30	25	40	38
March	45	70	65	52	51
April	48	60	60	62	59
May	52	55	58	50	54
June	59	65	67	57	53
July	66	63	61	54	55
August	68	72	59	45	51
September	62	77	63	71	68
October	62	69	54	66	69
November	50	58	46	51	62
December	48	46	41	43	53

TABLE 3: Summary of available pig manure storage capacity.

3.2 PIG MANURE ANALYSES:

The following table shows the results of the pig manure analyses. The nutrient content of pig manure from this facility is now calculated in line with Table 7, page 37 of S.I. No 378 of 2006.

DATE	LOCATION	IPC code	% DM	Total N (%)	Total P (%)	Total K (%)
23-12-04	Overground Tank 10	447	1.46	2.18	2.02	18.9
23-12-04	Weaner House 14	447	3.76	2.4	3.08	9.90
23-12-04	Dry Sow 19 & 12	447	2.68	2.48	8.11	10.67
23-12-04	Fattening Hse 16 & 22	447	2.16	2.34	2.8	14.26
12-06-06	Overground Tank 10	447	1.73	3.2	3.91	4.52

TABLE 4 Pig manure analyses

3.3 ALTERATIONS TO CUSTOMERS LANDS

There were no alterations to the list of customer farmers using pig manure as a fertiliser product on their agricultural crops during this period

3.4 CONTRACTORS UNDERTAKING DELIVERY OF PIG MANURE.

There were no alterations to the contractors undertaking delivery of pig manure during this period

3.5 PIG MANURE REGISTER

A pig manure register is maintained on site. This register which contains commercially sensitive information is available on site for inspection during normal working hours. The pig manure from this facility is utilised as fertiliser on agricultural crops, on clearly identified parcels of land, in accordance with nutrient requirements, and therefore is not waste, as determined by the European court of Justice.

The manure register maintained on site, records all deliveries of pig manure to customer farmers during 2008. 11,528 m³ of pig manure were delivered to customer farms for use as a fertiliser in accordance with their individual fertiliser plans during 2008.

3.6 FERTILISER PLAN

The fertiliser plan for pig manure from this facility for 2004 was submitted to the Agency in March 2004, and the fertiliser plan for pig manure from this facility for 2005, was submitted on 02 March 2005. A fertiliser Plan for 2006 was submitted to the Agency in January 2006 and the plan for 2007 was submitted on 6 February, 2007. The fertilizer plan for 2008 was submitted to the Agency on 25th January 2008.

3.7 WASTE NOT DESTINED FOR LANDSPREADING

The waste management records for waste not destined for landspreading are included as Attachment No 2. The total volumes of these wastes exported off site during 2004-2008 are set out in Table 6 below.

Waste Type	EWC Code	Total Volume 2004	Total Volume 2005	Total Volume 2006	Total Volume 2007	Total Volume 2008
Pig Carcasses	020102	59.1 Tonnes	51.51 Tonnes	60.22 Tonnes	55.45 Tonnes	57.4 Tonnes
Veterinary Waste	180201	6 Kgs	4 Kgs	2 Kgs	4 Kgs	5 Kgs
General Refuse	200301	3.29 Tonnes	3.06 Tonnes	0.52 Tonnes	3.18 Tonnes	0.42 Tonnes

TABLE 6: Volumes of waste exported

3.8 ENVIRONMENTAL INCIDENTS AND COMPLAINTS

There were no complaints received in respect of this facility during this reporting period, and there were no environmental incidents during this period.

3.9 SELF MONITORING DATA.

1. SURFACE WATER DISCHARGE MONITORING

The surface water discharge points at the site are visually inspected weekly, (a copy of this register is included in Attachment No 1), and sampled quarterly. Table 8 outlines the results of surface water discharge analyses. A procedure has now been put in place with the independent laboratory testing storm-water samples from this facility to immediately contact NRGE by Email and fax, in the event that COD readings exceed 30mg/l.

DATE	Monitoring Point Ref	COD mg/l 2004	COD mg/l 2005	COD mg/l 2006	COD mg/l 2007	COD Mg/l 2008
1 st QTR	SW1	84	72	53	53	19.8
2 nd QTR	SW1	8	25	0	0	21
3 rd QTR	SW1	18	26	26	26	<1
4 th QTR	SW1	23	10.6	7	7	<1

TABLE 8 Surface water discharge analyses.

4. MANAGEMENT OF THE ACTIVITY

4.1 CORRECTIVE ACTION PROCEDURES

A copy of the corrective action procedure for this site is included as Attachment No 3. There were no Non Compliances issued in respect of this facility during this reporting period.

4.2 AWARENESS AND TRAINING PROGRAMME

A copy of the awareness and training procedure for this site is included in Attachment No 3.

4.3 RESPONSIBILITIES

The organisational chart for environmental management of this site is shown Overleaf.

4.4 COMMUNICATIONS

A copy of the public information programme for this site is included in Attachment No 3.

4.5 VERMIN CONTROL

Vermin control is carried out on site by staff. A register is maintained of these inspections. A copy of this register is included in Attachment No 3.

4.6 NOTIFICATION PROCEDURES

A copy of notification procedure for this site is included in Attachment No 3.

5. TANK AND PIPELINE TESTING AND INSPECTION REPORT

A tank and pipeline inspection proposal was prepared by an engineer for this site, taking account of the hydro-geological aspects of the site, and was submitted to the Agency on 10 July 2007.

This proposal is currently being reviewed following a response from the Agency, and will be resubmitted shortly, under separate cover.

SIGNED



DATE

30th Nov 2009

N.R.G.E. Ltd.

Nutrient Recovery to Generate Electricity Ltd.

Mooresfort, Lattin, Co. Tipperary.

Tel: 062 55385

VAT. No: 6412619V

ATTACHMENT NO. 1

SURFACE WATER DISCHARGE
MONITORING

IPC LICENSE REG NO 447

LICENSEE:

Jim McGrath

LOCATION:

Ballynameelagh, Cappagh Co Waterford

WEEKLY REGISTER OF INSPECTIONS OF STORMWATER MONITORING POINT

Monitoring Point SW1	Stormwater	Weekly
----------------------	------------	--------

DATE	VOLUME	Comments
11/1/08		Wet Clean
18/1		Wet Clean
25/1/08		Wet
1/2/08		Wet
8/2/08		Wet + Cleaned
15/2/08		Dry
22-2-08		Dry Clean
29/2/08		Dry + Clean
7/3/08		Wet + Clean
14/3/08		Dry + Clean
21/3/08		Dry
28/3/08		Dry + Clean
4-4-08		Wet
11/4/08		Wet + Cleaned
18-4-08		Wet
25/4/08		Wet + Clean
2-5-08		clean + Clean
9/5/08		Dry
16/5/08		Dry + Clean
23-5-08		Dry + Clean
30-5-08		Wet + Cleaned
7/6-08		Wet
14-6-08		Wet
21/6/08		Wet
28/6/08		Wet + Cleaned
4/7/08		Wet
11/7/08		Wet
18/7/08		Wet
25/7/08		Wet + Cleaned
1/8/08		Wet

ATTACHMENT NO. 2

WASTE MANAGEMENT
RECORDS

IPC LICENSE REG NO 447

LICENSEE

JIM McGRATH

LOCATION

Ballynameelagh, Cappagh, Co Waterford

WASTE MANAGEMENT REGISTER

WASTE: ANIMAL CARCASSES (Code No 02 01 02)
CONTRACTOR: CLONMEL FATS LTD
DESTINATION: MUNSTER PROTEINS WATERFORD

DATE	VOLUME	COLLECTED BY
7/1/08	2500kg	
2/1/08	1350	
4/2/08	1240	
10/2/08	2470	
3/3/08	1500	
18/3/08	2500	
31/3/08	1500	
14/4/08	2000	
28-4-08	2000	
17-5-08	2500	
26/5/08	1850	
9/6/08	1500	
23/6/08	2350	
7/7/08	2600	
21/7/08	1800	
5/8/08	3000	
19-8-08	3000	
1/9/08	2800	
15-9-08	2250	
29/9/08	2200	
13/10/08	2400	
28/10/08	2600	
10/11/08	1450	
28/11/08	1800	
8/12/08	2760	
23/12/08	2690	

IPC LICENSE REG NO 447

LICENSEE

JIM McGRATH

LOCATION

Ballynameelagh, Cappagh, Co Waterford.

WASTE MANAGEMENT REGISTER

WASTE:

FLUORESCENT TUBES (Code No 20 01 21)

DESTINATION:

Waterford Co Council Waste Collection Centre

DATE	VOLUME	DELIVERED BY
21/8/08	26 9 Tubes	Flourescent Tubes Jim McGrath
21/8/08	63	Aerosol Cans

Desmond Hickey
Dunyamaon recycling
Centre
21-8-08

ATTACHMENT NO. 3

ENVIRONMENTAL OPERATING PROCEDURES

IPC LICENSEE REG No P0447-01
LICENSEE JIM MCGRATH
LOCATION BALLYNAMEELAGH, CAPPAGH,
CO WATERFORD

CORRECTIVE ACTION PROCEDURE

**IN THE EVENT OF A REPORTED NON COMFORMITY,
RESPONSIBILITY AND AUTHORITY FOR INITATING
FURTHER INVESTIGATION AND CORRECTIVE
ACTION SHALL FOLLOW THE FOLLOWING STEPS**

- 1. DETERMINE THE REASONS WHY THE SPECIFIED REQUIREMENTS WERE NOT MET**
- 2. DRAW UP A PLAN OF ACTION TO CORRECT THE NON COMFORMITY WITH THE SPECIFIED REQUIREMENTS**
- 3. IMPLEMENT PREVENTITIVE ACTIONS TO A LEVEL CORRESPONDING TO THE RISK ENCOUNTERED**
- 4. APPLY CONTROLS TO ENSURE THAT CORRECTIVE ACTIONS ARE TAKEN AND THAT THEY ARE EFFECTIVE**
- 5. IMPLEMENT AND RECORD ANY CHANGES IN PROCEDURES RESULTING FROM CORRECTIVE ACTION**
- 6. PROVIDE SUCH APPROPRIATE TRAINING OR RETRAINING AS MAY BE NECESSARY**

PUBLIC INFORMATION PROGRAMME

**CONDITION No 2.4.1, of IPC Licence Reg No P0447-01
states**

“The licensee shall put in place a programme to ensure that members of the public can obtain information concerning the environmental performance of the licensee at all reasonable times”.

MR JIM MCGRATH (The licensee) IS COMMITTED TO ENSURING THAT MEMBERS OF THE PUBLIC HAVE ACCESS TO ALL RELEVANT DOCUMENTATION, DURING REASONABLE WORKING HOURS. HOWEVER BECAUSE OF DISEASE CONTROL MEASURES, AN APPOINTMENT MUST BE MADE BY CONTACTING 058-68172

THE FOLLOWING DOCUMENTATION IS AVAILABLE TO MEMBERS OF THE PUBLIC, IN THE UNIT OFFICE, AT ALL REASONABLE TIMES

- 1. IPC License application submitted to the Agency**
- 2. All correspondence with the Agency prior to issue of License**
- 3. All correspondence with, and reports sent to the Agency, since License was issued.**
- 4. Pig manure register**
- 5. Pig manure storage capacity information**
- 6. Complaints register**
- 7. All relevant waste registers maintained on site**

NOTE: ALL SITE VISITORS MUST SIGN THE “VISITORS REGISTER”.

SIGNED: _____ DATE: _____
MR JIM MCGRATH

2.2.1

LICENSEE:...JAMES McGRATH

LOCATION:...BALLYNAMEELAGH, CAPPAGH, CO WATERFORD

.....

ENVIRONMENTAL TRAINING PROCEDURE

.....

- **THE LICENSEE IS RESPONSIBLE FOR ENSURING THAT ALL ENVIRONMENTAL TRAINING IS CARRIED OUT.**

- **APPROPRIATE TRAINING RECORDS ARE KEPT FOR EACH EMPLOYEE**

- **THESE RECORDS ARE REGULARLY UPDATED**

- **ALL NEW EMPLOYEES WHOSE JOB HAVE A DIRECT INFLUENCE ON THE ENVIRONMENT RECEIVE TRAINING ON THE COMMENCEMENT OF EMPLOYMENT**

- **OUTSIDE CONTRACTORS INVOLVED IN PIG MANURE MANAGEMENT ARE REGULARLY CHECKED BY THE LICENSEE TO ENSURE PROPER TRAINING HAS BEEN RECEIVED, AND A COPY OF THE CODE OF PRACTICE FOR LANDSPREADING OF ORGANIC MANURE, IS BEING KEPT ON EQUIPMENT.**

ATTACHMENT NO. 4

AER/PRTR SPREADSHEETS



Environmental Protection Agency

[PRTR# : P0447 | Facility Name : Mr James McGrath | Filename : P0447_2008(1).xls | Return Year : 2008]

AER Returns Worksheet

Version 1.1.07

REFERENCE YEAR	2008
-----------------------	------

1. FACILITY IDENTIFICATION

Parent Company Name	Mr James McGrath
Facility Name	Mr James McGrath
PRTR Identification Number	P0447
Licence Number	P0447-01

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.
6.2	with 750 places for sows

Address 1	C/O Micheal Sweeney
Address 2	M.S Farm Services
Address 3	Mooresfort, Lattin
Address 4	Co. Tipperary
Country	Ireland
Coordinates of Location	-7.76124 52.104
River Basin District	IESE
NACE Code	0146
Main Economic Activity	Raising of swine/pigs
AER Returns Contact Name	Michael Sweeney (P0447)
AER Returns Contact Email Address	m.sweeney@nrge.ie
AER Returns Contact Position	Enviornmental Manager
AER Returns Contact Telephone Number	058-68172/086-8188904
AER Returns Contact Mobile Phone Number	
AER Returns Contact Fax Number	058-68316
Production Volume	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	0
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)
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 ?	

4.1 RELEASES TO AIR

Facility Name: [Name] | Date: [Date] | Page: [Page]

Page 1 of 1

SECTION A : SECTOR SPECIFIC PRR POLLUTANTS

No. Atmos II	POLLUTANT	Name	METHOD		Emission Point 1	QUANTITY			
			M/C/E	Method Code		Description or Description	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
06	Ammonia (NH3)		C	NRB		0.0	13127.5	0.0	13127.5
	Methane (CH4)		C	NRB		0.0	78991.2	0.0	78991.2
	Nitrous oxide (N2O)		C	NRB		0.0	73.5	0.0	73.5

SECTION B : REMAINING PRR POLLUTANTS

No. Atmos II	POLLUTANT	Name	METHOD		Emission Point 1	QUANTITY			
			M/C/E	Method Code		Description or Description	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
						0.0		0.0	

SECTION C : REMAINING POLLUTANT EMISSIONS (As required in your License)

Pollutant No.	POLLUTANT	Name	METHOD		Emission Point 1	QUANTITY			
			M/C/E	Method Code		Description or Description	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
						0.0		0.0	

Additional Data Requested from Landfill operators

For the purpose of the National Inventory on Greenhouse Gases, landfill operators are requested to provide summary data on landfill gas (methane) emissions. Methane emissions are reported in terms of methane gas (CH4) and carbon dioxide (CO2) emissions. Methane emissions are reported in terms of methane gas (CH4) and carbon dioxide (CO2) emissions to the environment under T (Total) KG/yr for Section A, Sector specific PRR pollutants above. Please complete the table below.

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

Total estimated methane generation (as per site model)	Methane flared	Methane utilized in engines	Net methane emission (as reported in Section A above)	METHOD		Facility Total Capacity ms per hour
				M/C/E	Method Code	
T (Total) kg/Year	0.0	0.0	0.0			N/A
	0.0	0.0	0.0			0.0 (Total Flaring Capacity)
			0.0			0.0 (Total Utilising Capacity)

Mr. James McGrath

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

18/02/2018 10:52:11 AM

30/1/2008 13:41

Transfer Destination	European Waste Code	Hazardous	Quantity T/Year	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Name and Licence / Permit No. of Recoverer / Disposer / Broker	Address of Recoverer / Disposer / Broker	Name and Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)	Licence / Permit No. of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used					
Within the Country	02 01 02	No	57.4	Animal Tissue Waste	R3	M	Weighted	Onsite in Ireland	Munster Proteins Ltd P0040-02	Ferrybank, Waterford, Co Waterford 430 Beech Road, Naas Road, Dublin 4		
Within the Country	18 02 01	No	0.005	Shrapnel except 18 02 02	D10	E	Volume Calculation	Onsite in Ireland	SRCL W00355-2			

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 1.1 May 2009

Data Entry and Calculation Output Sheet

Facility Name: James McGrath Reporting year: 2008

Licence Reg. No.: P0447-02

Data Entry Table: Pig Farms

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

- Note: the animal number for each class of swine (weaners; finishers; 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 class.
- 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	Pig Number / year
Suckling sow+litter	176
Dry sow	687
Boars	10
Maiden gilts	60
Weaners (7 to 35 kg)	2,993
Finishers (35 to 98 kg)	2,498

STORAGE

Enter surface area of OUTDOOR UNCOVERED STORAGE (see Surface Area Calculation for a simple tool for this purpose)

Unit number	Surface Area m ²
Slurry storage 1	227
Slurry storage 2	50.27
Slurry storage 3	
Slurry storage 4	
Others	
Total	277.27

FORM OF MANURE STORAGE

Enter the form of Manure Storage

data entry:	
Enter Yes in appropriate box:	YES

Does the facility employ:

Liquid Manure storage:
 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

No. Annex II	POLLUTANT	Name	M/C/E	METHOD		RELEASES TO AIR			QUANTITY	
				Method Code	Method Used	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year	
06	Ammonia (NH3)		C	NRB	EPA Calculation tool	0	13,127.5	0	0	13,127.5
01	Methane (CH4)		C	NRB	EPA Calculation tool	0	79,991.2	0	0	79,991.2
05	Nitrous oxide (N2O)		C	NRB	EPA Calculation tool	0	78.5	0	0	78.5