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OFFICE OF ENVIRONMENTAL ENFORCEMENT
SOUTH/SOUTH WEST REGION
ENVIRONMENTAL PROTECTION AGENCY
INNISCARRA
CO CORK

30th November 2009

RE: IPC REG No P0375-01

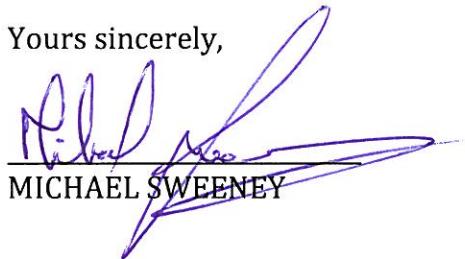
Dear Sir/Madam,

On behalf of my client Toomevara Farms Ltd of Killicane, Mitchelstown, Co. Cork, I herein submit a the Annual Environmental Report for 2008 (AER 2008), which has been prepared for this site in compliance with the requirements of the conditions of this licence.

This report complies with the Agency requirements under PRTR reporting, and therefore includes an attachment with the AER/PRTR spreadsheets.

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:	P0375-01
Licensee:	MMF Limited
Location of Activity:	Glenawinna, Toomevara, Nenagh, Co. Tipperary

November 2009

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

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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; Toomevara Farms Ltd
 LICENCE REG No..... Reg No P0375-01
 LOCATION OF ACTIVITY..... Glenawinna, Toomevara,
 Nenagh, County Tipperary
 I.P.C. CLASS No..... 6.2.

I.P.C. CLASS DESCRIPTION:

The rearing of pigs in an installation, whether within the same complex or within 100 metres of the same complex, where the capacity exceeds 750 places for sows in a breeding unit, where “breeding unit” means a piggery in which pigs are bred and reared up to 30Kg in weight.

2. DESCRIPTION OF SITE ACTIVITIES

The unit has been licensed by the Environmental Protection Agency since August 2003, and the maximum operating capacity of the site is set out in Table 1 Section B below. The average stocking level for 2006 is set out in table 1 Section A below.

Animal type	IPC Stock Numbers	2008 Stock Numbers
Sows	1000	975
Maiden Gilts	50	43
Weaners	3646	3104
Finishers	5071	0

TABLE 1: Average stocking level at this site 2008 & Licence Stock No's

3. SUMMARY INFORMATION

2251 tonnes of animal feed, 164,278 units of electricity, and 104,166 litres of heating oil were utilised on site, during 2008, in the production of pig meat. These usage levels are set out in Table 2 below.

UNIT	2004	2005	2006	2007	2008
Animal Feed	1865 Tonnes	2080 Tonnes	2292 Tonnes	2135	2251
Heating Oil	100,295 Litres	100,618 Litres	105,527Litres	103,224Litres	104,166Litres
Electricity	189720 Units	162,060 Units	158,340 Units	162,555Units	164,278Units

Table 2: Summary of feed, heating oil, electricity, on site (2004-2008)

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	93.4	71	77	47	37
February	90.89	67	73	30	40
March	85.5	67	54	46	52
April	84.69	62	61	90	49
May	83.62	59	57	88	66
June	83.35	55	53	59	73
July	80.1	55	57	64	75
August	77.98	58	59	63	73
September	75.61	86	58	68	74
October	71.46	86	76	69	74
November	68.79	83	81	56	44
December	65.56	79	63	48	39

TABLE 3: Summary of available pig manure storage capacity

3.2 ALTERATIONS TO CUSTOMERS LANDS

There were no alterations to the customer's lands during this period.

3.3 CONTRACTORS UNDERTAKING DELIVERY OF PIG MANURE.

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

3.4 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. 5019 m³ of pig manure was delivered to customer farms during 2008, for use as a fertiliser in accordance with fertiliser plans.

3.5 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 10th February 2005. The Fertiliser plan for 2006 was submitted to the Agency in January 2006 and the plan for 2007 was submitted on 19 January, 2007. The Fertiliser Plan for 2008 was submitted to the Agency on January 2008.

3.6 WASTE NOT DESTINED FOR LANDSPREADING

The waste management records for waste not destined for land-spreading are included as Attachment No 2. The total volumes of these wastes exported off site during 2007 are set out in Table 4.

Waste Type	EWC Code	Total Volume 2004	Total Volume 2005	Total Volume 2006	Total Volume 2007	Total Volume 2008
Pig Carcasses	020102	48.54 Tonnes	49.01 Tonnes	45.19 Tonnes	45.5 Tonnes	36.18 Tonnes
Veterinary Waste	180201	1 Kg	1 Kg	8 Kgs	4 Kgs	5 Kgs
General Refuse	200301	4.47 Tonnes	6.49 Tonnes	3.32 Kgs	4.78 Tonnes	5.82 Tonnes

TABLE 4: Volumes of waste exported during 2004-2008

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. AMBIENT GROUNDWATER MONITORING

Table 5 shows the results obtained for groundwater analyses

DATE	LOCATION	NITRATE	TOTAL AMMONIA	F. COLI
24-04-04	W1	1.8	0.02	Positive
24-04-04	W2	2.8	0.00	Positive
20-09-05	W1	2.1	0.06	Nil
20-09-05	W2	0.9	0.05	Nil
20-09-05	W3	2.5	0.06	Nil
01-08-06	W1	0.3	0	3
01-08-06	W2	0.2	0.4	Absent
01-08-06	W3	0.5	0.0	Absent
01-08-06	W4	7.5	48.0	>201
03-05-07	W1	0.9	0.03	0
03-05-07	W2	1.8	0.02	0
03-05-07	W3	0.5	0.01	0
25-11-08	W1	1	0.05	0
25-11-08	W2	1.1	0.06	0
25-11-08	W3	1.2	0.05	0

TABLE 5: Ambient groundwater monitoring results

2. SURFACE WATER DISCHARGE MONITORING

The surface water discharge point at the site is 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. In turn the facility will be immediately contacted to investigate the matter.

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	76	59	43	15	<1
2 nd QTR	SW1	14	Dry	46	13	<1
3 rd QTR	SW1	35	32	26	10	23
4 th QTR	SW1	18	6	16	2	22

TABLE 8: Surface water discharge analyses

4. MANAGEMENT OF THE ACTIVITY

2.1 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 during 2008, in respect of this facility.

2.2 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

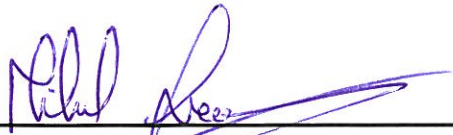
Vermin control is carried out on site by staff. A register is maintained of these inspections. A copy of this register is included in Attachment No 3.

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 assessment proposal was included in with AER 2005. This report was prepared by Mr. Jer Keohane of Geotechnical & Environmental Services Ltd.

SIGNED 
DATE 30 Nov 2009

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

IPC REGISTRATION No: P0375-01

ATTACHMENT No. 1

SURFACE WATER DISCHARGE MONITORING

AER FOR 2008

IPC LICENSE REG NO 375

LICENSEE: Toomevqara Farms Ltd

LOCATION: Glenawinna, Toomevara, Nenagh, Co Tipperary

VISUAL INSPECTION OF STORMWATER MONITORING POINT

Monitoring Points: SW1:

DATE	VOLUME	Comments
26.10.07	MP	Dry
2.11.07	MP	Dry
9.11.07	MP	Dry
18.11.07	MP	Dry
23.11.07	MP	Clear
30.11.07	MP	Clear
7.12.07	MP	Clear
14.12.07	MP	Dry
21.12.07	MP	Dry
28.12.07	MP	Clear
4.1.08	MP	Clear
11.1.08	MP	Clear
18.1.08	MP	Dry
25.1.08	MP	Clear
1.2.08	MP	Clear
8.2.08	MP	Clear
15.2.08	MP	Clear
22.2.08	MP	Clear
29.2.08	MP	Clear
7.3.08	MP	Clear
14.3.08	MP	Dry
21.3.08	MP	Dry
28.3.08	MP	Dry
4.4.08	MP	Clear
11.4.08	MP	Dry
18.4.08	MP	Clear
25.4.08	MP	Clear
2.5.08	MP	Clear

IPC LICENSE REG NO 375

LICENSEE: Toomevara Farms Ltd

LOCATION: Glenawinna, Toomevara, Nenagh, Co Tipperary

VISUAL INSPECTION OF STORMWATER MONITORING POINT

Monitoring Points: SW1: 2008

DATE	VOLUME	Comments
9.5	mp	Clean
16.5	mp	Dry
23.5	mp	Dry
30.5	mp	Dry
6.6	mp	Dry
13.6	mp	Clean
20.6	mp	Clean
27.6	mp	Clean
4.7	mp	Clean
11.7	mp	Clean
18.7	mp	Clean
25.7	mp	Clean
1.8	mp	Dry
8.8	mp	Clean
15.8	mp	Dry
22.8	mp	Dry
29.8	mp	Clean
5.9	mp	Clean
12.9	mp	Dry
19.9	mp	Dry
26.9	mp	Clean
3.10	mp	Dry
10.10	mp	Clean
17.10	mp	Clean
24.10	mp	Clean
31.10	mp	Clean
7.11	mp	Clean
14.11	mp	Clean

IPC LICENSE REG NO 375

LICENSEE: Toomevqara Farms Ltd

LOCATION: Glenawinna, Toomevara, Nenagh, Co Tipperary

VISUAL INSPECTION OF STORMWATER MONITORING POINT

Monitoring Points: SW1:

DATE	VOLUME	Comments
21.11.08	MP	Dry
28.11.08	MP	Dry
5.12.08	MP	Dry
12.12.08	MP	Clean
19.12.08	MP	Dry
27.12.08	MP	Dry
3.1.09	MP	Dry
9.1.09	MP	Dry
16.1.09	MP	Clean
23.1.09	MP	Clean
30.1.09	MP	Clean
6.2.09	MP	Clean
13.2.09	MP	Clean
20.2.09	MP	Clean
27.2.09	MP	Clean
6.3.09	MP	Clean
13.3.09	MP	Dry
20.3.09	MP	Clean
27.3.09	MP	Clean
3.4.09	MP	Dry
10.4.09	MP	Dry
17.4.09	MP	Clean
24.4.09	MP	Clean
1.5.09	MP	Clean
8.5.09	MP	Clean
15.5.09	MP	Clean
22.5.09	MP	Dry
29.5.09	MP	Clean

ATTACHMENT No. 2

WASTE MANAGEMENT
RECORDS

IPC LICENSE REG NO 375

LICENSEE Toomevara Farms Ltd.

LOCATION Fort William, Toomevara, Co Tipperary

WASTE MANAGEMENT REGISTER

WASTE: ANIMAL CARCASSES (Code No 02 01 02)

CONTRACTOR: BEECHFIELD PRODUCTS

DESTINATION: BALLINASLOE

DATE	VOLUME	COLLECTED BY
2008 26.4	1.18	Beech Field Products
8.5	1.45	" " "
22.5	1.44	" " "
1.6	0.2	" " "
19.6	1.25	" " "
3.7	0.98	" " "
17.7	1.66	" " "
31.7	0.52	" " "
14.8	0.50	" " "
28.8	0.53	" " "
11.9	3.09	" " "
25.9	1.110	" " "
9.10	520 520 kg	" " "
23.10	1210 kg	" " "
13.11	2170 kg	" " "
27.11	870 kg	" " "
16.12	1.62	" " "
30.12	1.000	" " "
2009 8.1	1.000	" " "
22.1	2.66	" " "
6.2	1.5	" " "
19.2	1.21	" " "
5.3	0.6	" " "
19.3	1500	" " "
9.4	1960	" " "
22.4	1520	" " "
16.5	1730	" " "
28.5	1850	" " "
11.6	1000	" " "

ATTACHMENT No. 3

ENVIRONMENTAL OPERATING
PROCEDURES

IPC LICENSEE REG NO. P0375-01
LICENSEE TOOMEVARA FARMS
LOCATION GLENAWINNA, TOOMEVARA, NENAGH,
CO. TIPPERARY

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 ACTIONSARE 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 P0375-01
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”.

TOOMEVARA FARMS. (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 086-6416619

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: _____
TOOMEVARA FARMS.

IPC LICENCE REG No P0375-01

FORM 2.2.1

LICENSEE:...TOOMEVARA FARMS

LOCATION:...Glenawinna, Toomevara, Nenagh, Co Tipperary

.....

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.**

TOOMEVARA FARMS LTD
GLENWINNA, TOOMEVARA

RORY O BRIEN
DIRECTOR



MARTIN PURTILL
UNIT MANAGER



DENIS
KELLEHER

NRGE LTD

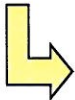
NUTEC
LTD



DRY SOW HOUSE
SUPERVISOR

FARROWING HOUSE
SUPERVISOR

WEANER HOUSE
SUPERVISOR



GENERAL STOCKMAN

IPC LICENSE REG NO 375

LICENSEE: Toomevqara Farms Ltd

LOCATION: Glenawinna, Toomevara, Nenagh, Co Tipperary

VERMIN CONTROL REGISTER

Monitoring Points: SW1:

DATE	VOLUME	Comments
13-11-07	MP	Bait Parats 1-6
16-11-07	MP	" " 1 n
22-11-07	MP	" " 1-6
29-11-07	MP	" " 1-6
7-12-07	MP	" " 1-6
14-12-07	MP	" " 1-6
18-12-07	MP	" " 1-6
24-12-07	MP	" " 1-6
27-12-07	MP	" " 1-6
1-1-08	MP	" " 1-6
4-1-08	MP	" " 1-6
9-1-08	MP	" " 1-6
17-1-08	MP	" " 1-6
30-1-08	MP	" " 1-6
6-2-08	MP	" " 1-6
15-2-08	MP	" " 1-6
27-2-08	MP	" " 1-6
29-2-08	MP	" " 1-6
7-3-08	MP	" " 1-6
12-3-08	MP	" " 1-6
21-3-08	MP	" " 1-6
26-3-08	MP	" " 1-6
4-4-08	MP	" " 1-6
5-4-08	MP	" " 1-6
15-4-08	MP	" " 1-6
18-4-08	MP	" " 1-6
25-4-08	MP	" " 1-6
2-5-08	MP	" " 1-6

IPC LICENSE REG NO 375

LICENSEE: Toomevqara Farms Ltd

LOCATION: Glenawinna, Toomevara, Nenagh, Co Tipperary

VERMIN CONTROL REGISTER

Monitoring Points: SW1:

DATE	VOLUME	Comments
6.5.08	MP	Bait Points 1-6
15.5.08	MP	" " 1-6
20.5.08	MP	" " 1-6
28.5	MP	" " 1-6
6.6	MP	" " 1-6
18.6	MP	" " 1-6
23.6	MP	" " 1-6
27.6	MP	" " 1-6
4.7	MP	" " 1-6
11.7	MP	" " 1-6
18.7	MP	" " 1-6
25.7	MP	" " 1-6
1.8	MP	" " 1-6
8.8	MP	" " 1-6
15.8	MP	" " 1-6
22.8	MP	" " 1-6
29.8	MP	" " 1-6
5.9	MP	" " 1-6
12.9	MP	" " 1-6
17.9	MP	" " 1-6
22.9	MP	" " 1-6
26.9	MP	" " 1-6
3.10	MP	" " 1-6
8.10	MP	" " 1-6
17.10	MP	" " 1-6
22.10	MP	" " 1-6
31.10	MP	" " 1-6
6.11	MP	" " 1-6

IPC LICENSE REG NO 375

LICENSEE: Toomevqara Farms Ltd

LOCATION: Glenawinna, Toomevara, Nenagh, Co Tipperary

VERMIN CONTROL REGISTER

Monitoring Points: SW1:

DATE	VOLUME	Comments
12.11.08	mp	1-6 Bait Points
21.11.08	mp	Bait Point 1-6
25.11.08	mp	h " 1-6
28.11.08	mp	h " 1-6
2.12.08	mp	h h 1-6
7.12.08	mp	h n 1-6
12.12.08	mp	n 2 1-6
13.12.08	mp	n 1 1-6
27.12.08	mp	n c 1-6
11.12.08	mp	n. 1-6
17.12.08	mp	n n 1-6
22.12.08	mp	n n 1-6
26.12.08	mp	n z 1-6
30.12.08	mp	n n 1-6
3.12.08	mp	h n 1-6
15.1.09	mp	" n 1-6
22.1.09	mp	h l 1-6
28.1.09	mp	n " 1-6
6.2.09	mp	n t 1-6
17.2.09	mp	n 2 1-6
18.2.09	mp	n n 1-6
27.2.09	mp	n a 1-6
4.3.09	mp	n h 1-6
10.3.09	mp	n h 1-6
20.3.09	mp	n 1 1-6
26.3.09	mp	n n 1-6
1.4.09	mp	n n 1-6
10.4.09	mp	n n 1-6

ATTACHMENT NO. 4

AER/PRTR
SPREADSHEETS



Environmental Protection Agency

AER Returns Worksheet

Version 1.07

REFERENCE YEAR	2008
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1. FACILITY IDENTIFICATION

Parent Company Name	Toomevarra Farms Limited
Facility Name	Toomevarra Farms Limited
PRTR Identification Number	P0375
Licence Number	P0375-01

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	Killickane
Address 2	Mitchelstown
Address 3	Co. Cork
Address 4	
Country	Ireland
Coordinates of Location	-8.0039 52.8386
River Basin District	IEGBNISH
NACE Code	0146
Main Economic Activity	Raising of swine/pigs
AER Returns Contact Name	Martin Purcill
AER Returns Contact Email Address	m.sweeney@nrge.ie
AER Returns Contact Position	
AER Returns Contact Telephone Number	025-85167 / 087-6416619
AER Returns Contact Mobile Phone Number	
AER Returns Contact Fax Number	025-84762
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

SECTION A - SECTOR SPECIFIC PRTR POLLUTANTS

POLLUTANT		RELEASES TO AIR		QUANTITY		
No. Annex II	Name	M/CE	Method Used Designation or Description	Emission Point 1	T (Total) KG/Year	F (Fugitive) KG/Year
00	Ammonia (NH3)	C	NRB EPA Calculation Tool		7028.3	7028.3
01	Methane (CH4)	C	NRB EPA Calculation Tool		49921.6	49921.6
05	Nitrous oxide (N2O)	C	NRB EPA Calculation Tool		46.0	46.0

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

SECTION B : REMAINING PRTR POLLUTANTS

POLLUTANT		RELEASES TO AIR		QUANTITY		
No. Annex II	Name	M/CE	Method Used Designation or Description	Emission Point 1	T (Total) KG/Year	F (Fugitive) KG/Year
					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)

POLLUTANT		RELEASES TO AIR		QUANTITY		
Pollutant No.	Name	M/CE	Method Used Designation or Description	Emission Point 1	T (Total) KG/Year	F (Fugitive) KG/Year
					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 'Total' (KG/yr) for Section A. Sector specific PRTR pollutants above. Please complete the table below

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

Toomevara Farms Limited

M/CE	Method Used Designation or Description	Facility Total Capacity m3 per hour	T (Total) kg/Year	
			Methane flared	Methane utilised
0.0	N/A	N/A	0.0	0.0 (Total Flaring Capacity)
0.0			0.0	0.0 (Total Utilising Capacity)
0.0			0.0	
0.0			0.0	

Total estimated methane generation (as per site model)
Methane flared
Methane utilised in response
Net methane emission (as reported in Section A above)

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

Transfer Destination Within the Country	European Waste Code	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)
					Hazardous	IMC/E					
Within the Country	18 02 01	36.18	Animal Tissue Waste	R3	M	Weighted	Onsite in Ireland	Premier Proteins (2000) Ltd	Ballinsloe Co Galway 430 Beech Road, Naas Road Dublin 4		
	18 02 02	0.005	Sharps except	D10	E	Volume Calculation	Onsite in Ireland	SRCL W0065-2			

* Select a code by double clicking the Description of Waste, then click OK, OK, OK, OK

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: Toomevara Farms Ltd Reporting year: 2008

Licence Reg. No.: P0375-02

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	200
Dry sow	775
Boars	3
Maiden gilts	43
Weaners (7 to 35 kg)	3,104
Finishers (35 to 98 kg)	0

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	221.25
Slurry storage 2	94.95
Slurry storage 3	
Slurry storage 4	
Others	
Total	316.2

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

POLLUTANT		METHOD		RELEASES TO AIR			
No. Annex II	Name	M/C/E	Method Code	Method Used 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	7,028.3	7,028.3
01	Methane (CH4)	C	NRB	EPA Calculation tool	0	49,921.6	49,921.6
05	Nitrous oxide (N2O)	C	NRB	EPA Calculation tool	0	46.0	46.0