

Attachment No 2

Copies of AERs since 2005 which show that there is no record of complaints



145815-26/11/2014-FI At-Annual Environmental Repo

Planning Department

20 Nov 2014

Cor June 2014

Cor

ANNUAL ENVIRONMENTAL REPORT

2005

Licence Register No: 446

Licensee: Michael Monagle

**Location of Activity: Annakisha North
Doneraile, Co Cork**

PREPARED BY: Michael Sweeney, M.S. Farm Services, Mooresfort, Lattin, Co Tipperary.

There were no alterations to the contractors used to deliver pig manure from this facility during this reporting period.

3.5 PIG MANURE SPREADING REGISTER

A pig manure register is maintained on site, and submitted bi-monthly to the Agency. 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. (See Attachment 3)

6160 M3 of pig manure was delivered to customer farms during 2005, for use as a fertiliser, on agricultural crops.

3.6 FERTILISER PLAN

The fertiliser plan for the year 2005 was submitted to the Agency in February 2005, and the fertiliser plan for 2006 was submitted in January 2006.

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 waste generated on site during 2005 are summarised in Table 6 hereunder, and set out for comparison to the volumes of previous years.

Waste Type	Pig Carcasses	Veterinary Waste
EWC Code	02 01 02	18 02 01
Volume 2004	36.17 tonnes	14 Kgs
Volume 2005	16.63 Tonnes	31.5 Kgs

TABLE 6: Volumes of wastes generated 2004 - 2005.

3.8 ENVIRONMENTAL INCIDENTS AND COMPLAINTS

There were no complaints or incidents regarding the facility in the reporting period

3.9 SELF MONITORING DATA.

1.AMBIENT SURFACE WATER MONITORING

Table 7 shows the results obtained for ambient surface water analyses.

DATE	Location REF.	COD	Ammonia	Total N	Total P
2002 1 st QTR	AAR1	35	2.47	6.91	1.82
	AAR2	37	2.5	5.82	0.88
2002 2 nd QTR	AAR1	19	3.56	8.614	0.38
	AAR2	56	3.64	10.177	1.65
2002 3 rd QTR	AAR1	<1	0.16	5.814	0.49
	AAR2	<1	1.19	7.314	0.65
2002 4 th QTR	AAR1	9	0.53	5.917	0.30
	AAR2	18	0.67	8.826	0.35
2003	AAR1	9	0.17	10.71	0.15

ANNUAL ENVIRONMENTAL REPORT

2006

Licence Register No: P0446-01

Licensee: Michael Monagle

Location of Activity: Annakisha North,
Doneraile,
Co. Cork

July 2007

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

Planning Department

26 NOV 2014

County Cork

3.3 ALTERATIONS TO FARMER CUSTOMERS FOR PIG MANURE

There were no alterations to the list of customer farms utilising pig manure as fertiliser during this reporting period.

3.4 CONTRACTORS UNDERTAKING LANDSPREADING.

There were no alterations to the contractors used to deliver pig manure from this facility during this reporting period.

3.5 PIG MANURE SPREADING 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.

6963 m³ of pig manure was delivered to customer farms during 2006, for use as a fertiliser, on agricultural crops.

3.6 FERTILISER PLAN

The fertiliser plan for the year 2005 was submitted to the Agency in February 2005, and the fertiliser plan for 2006 was submitted in January 2006. The plan for 2007 was submitted on

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 waste generated on site during 2006 are summarised in Table 6 hereunder, and set out for comparison to the volumes of previous years.

Waste Type	Pig Carcasses	Veterinary Waste	Fluorescent Tubes	Domestic Refuse
EWC Code	02 01 02	18 02 01	20 01 21	20 03 01
Volume 2004	36.17 tonnes	14 Kgs		
Volume 2005	16.63 Tonnes	31.5 Kgs		
Volume 2006	27.60	11.5 Kgs	30 Tubes	55 Tonnes

TABLE 6: Volumes of wastes generated 2004 - 2006.

3.8 ENVIRONMENTAL INCIDENTS AND COMPLAINTS

There were no complaints or incidents regarding the facility in the reporting period

ANNUAL ENVIRONMENTAL REPORT

2007

Licence Register No: P0446-01

Licensee: Michael Monagle

Location of Activity: Annakisha North,
Doneraile,
Co. Cork

Oct 2008

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

3.3 ALTERATIONS TO FARMER CUSTOMERS FOR PIG MANURE

There were no alterations to the list of customer farms utilising pig manure as fertiliser during this reporting period.

3.4 CONTRACTORS UNDERTAKING LANDSPREADING.

There were no alterations to the contractors used to deliver pig manure from this facility during this reporting period.

3.5 PIG MANURE SPREADING 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.

9,400 m³ of pig manure was delivered to customer farms during 2007, for use as a fertiliser, on agricultural crops.

3.6 FERTILISER PLAN

The fertiliser plan for the year 2005 was submitted to the Agency in February 2005, and the fertiliser plan for 2006 was submitted in January 2006. The plan for 2007 was submitted on January, 2007 and the plan for 2008 was submitted on 14th March, 2008.

3.7 WASTE NOT DESTINED FOR LANDSPREADING

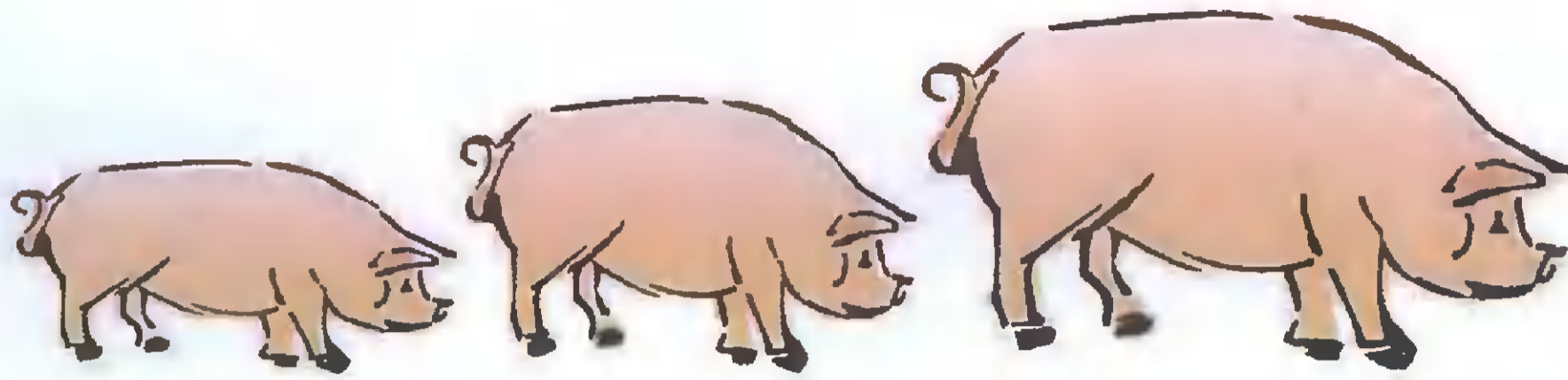
The waste management records for waste not destined for landspreading are included as Attachment No 2. The total volumes of waste generated on site during 2007 are summarised in Table 6 hereunder, and set out for comparison to the volumes of previous years.

Waste Type	Pig Carcasses	Veterinary Waste	Fluorescent Tubes	Domestic Refuse
EWC Code	02 01 02	18 02 01	20 01 21	20 03 01
Volume 2004	36.17 tonnes	14 Kgs		
Volume 2005	16.63 Tonnes	31.5 Kgs		
Volume 2006	27.60	11.5 Kgs	30 Tubes	55 Tonnes
Volume 2007	29.83	12.5 Kgs		23.1 Tonnes

TABLE 6: Volumes of wastes generated 2004 - 2007.

3.8 ENVIRONMENTAL INCIDENTS AND COMPLAINTS

There were no complaints or incidents regarding the facility in the reporting period



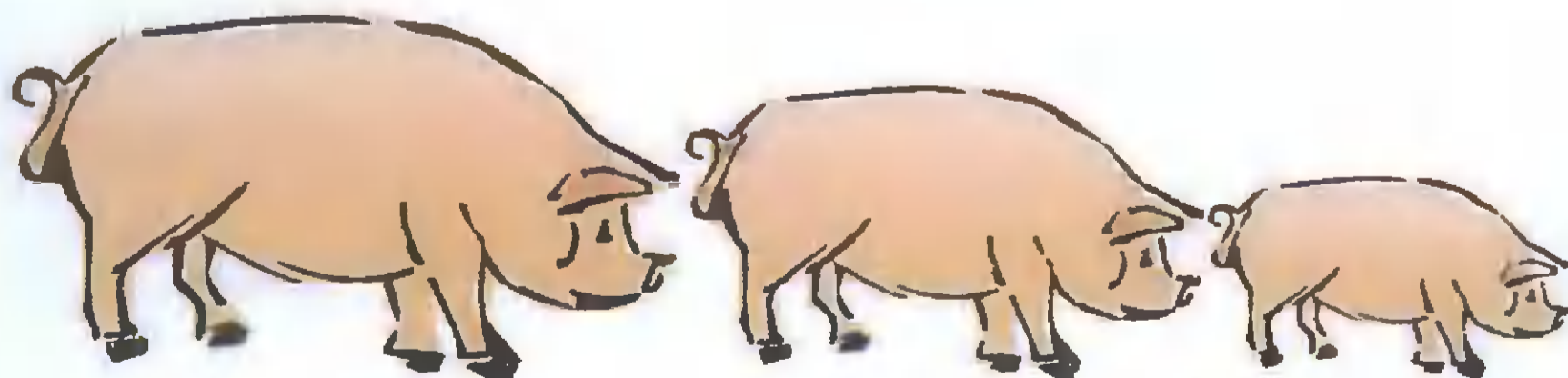
ANNUAL ENVIRONMENTAL REPORT

2008

Licence Register No: P0446-01

Licensee: Michael Monagle

Location of Activity: Annakisha North,
Doneraile,
Co. Cork



Sept 2009

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

3.3 ALTERATIONS TO FARMER CUSTOMERS FOR PIG MANURE

There were no alterations to the list of customer farms utilising pig manure as fertiliser during this reporting period.

3.4 CONTRACTORS UNDERTAKING LANDSPREADING.

There were no alterations to the contractors used to deliver pig manure from this facility during this reporting period.

3.5 PIG MANURE SPREADING 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. 10,729 m³ of pig manure was delivered to customer farms during 2008, for use as a fertiliser, on agricultural crops.

3.6 FERTILISER PLAN

The fertiliser plan for the year 2005 was submitted to the Agency in February 2005, and the fertiliser plan for 2006 was submitted in January 2006. The plan for 2007 was submitted on January, 2007 and the plan for 2008 was submitted on 14th March, 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 waste generated on site during 2007 are summarised in Table 6 hereunder, and set out for comparison to the volumes of previous years.

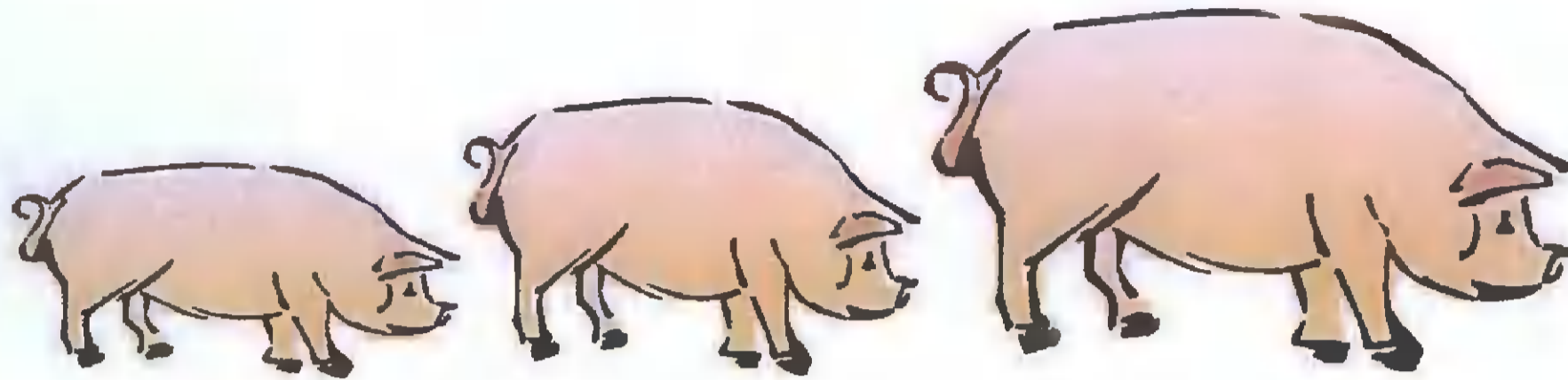
Waste Type	Pig Carcasses	Veterinary Waste	Fluorescent Tubes	Domestic Refuse
EWC Code	02 01 02	18 02 01	20 01 21	20 03 01
Volume 2004	36.17 tonnes	14 Kgs		
Volume 2005	16.63 Tonnes	31.5 Kgs		
Volume 2006	27.60	11.5 Kgs	30 Tubes	55 Tonnes
Volume 2007	29.83	12.5 Kgs		23.1 Tonnes
Volume 2008	28.95	20 Kks	50 Tubes	29.7 Tonnes

TABLE 6: Volumes of wastes generated 2004 - 2008.

3.8 ENVIRONMENTAL INCIDENTS AND COMPLAINTS

There were no complaints or incidents regarding the facility in the reporting period

Planning Department
NOV 2014
County Council



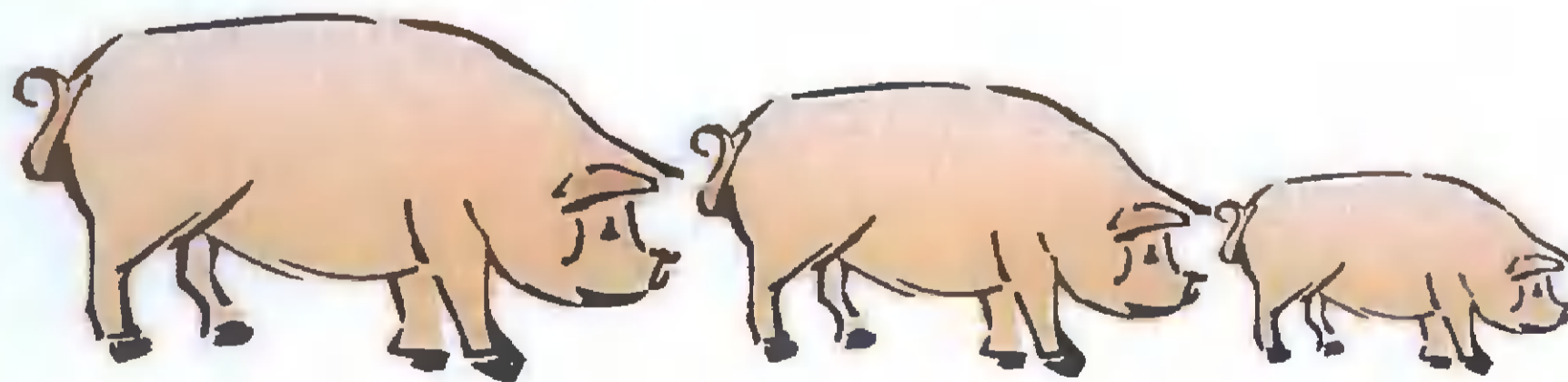
ANNUAL ENVIRONMENTAL REPORT

2009

Licence Register No: P0446-01

Licensee: Michael Monagle

Location of Activity: Annakisha North,
Doneraile,
Co. Cork



March 2010

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

3.3 ALTERATIONS TO FARMER CUSTOMERS FOR PIG MANURE

There were no alterations to the list of customer farms utilising pig manure as fertiliser during this reporting period.

3.4 CONTRACTORS UNDERTAKING LANDSPREADING.

There were no alterations to the contractors used to deliver pig manure from this facility during this reporting period.

3.5 PIG MANURE SPREADING 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.

10,579 m³ of pig manure was delivered to customer farms during 2009, for use as a fertiliser, on agricultural crops.

3.6 FERTILISER PLAN

The fertiliser plan for the year 2009 was submitted to the Agency on 25th January 2009.

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 waste generated on site during 2007 are summarised in Table 6 hereunder, and set out for comparison to the volumes of previous years.

Waste Type	Pig Carcasses	Veterinary Waste	Fluorescent Tubes	Domestic Refuse
EWC Code	02 01 02	18 02 01	20 01 21	20 03 01
Volume 2004	36.17 tonnes	14 Kgs		
Volume 2005	16.63 Tonnes	31.5 Kgs		
Volume 2006	27.60	11.5 Kgs	30 Tubes	55 Tonnes
Volume 2007	29.83	12.5 Kgs		23.1 Tonnes
Volume 2008	28.95	20 Kgs	50 Tubes	29.7 Tonnes
Volume 2009	7.86	20	120 Tubes	22.0 Tonnes

TABLE 6: Volumes of wastes generated 2004 - 2009.

3.8 ENVIRONMENTAL INCIDENTS AND COMPLAINTS

There were no complaints or incidents regarding the facility in the reporting period

3.9 SELF MONITORING DATA.

1. AMBIENT SURFACE WATER MONITORING

Table 7 shows the results obtained for ambient surface water analyses.

DATE	Location Ref.	COD	Ammonia	Total N	Total P
2005	AAR1	97	1.9	2.5	5.2
1st QTR	AAR2	142	1.6	3.5	6.1
2005	AAR1	10	0.05	0.6	0.28
2nd QTR	AAR2	18	0.05	0.9	0.27
2005	AAR1	18.4	0.13	1.3	0.17
3rd QTR	AAR2	18.2	0.46	1.6	0.33
2005	AAR1	27	0.12	0.9	0.19
4th QTR	AAR2	26	0.11	0.4	0.16
2006	AAR1	24	0.1	2	0.35
1st QTR	AAR2	23	0.1	0.4	0.43
2006	AAR1	9	0.05	2.7	0.19
2nd QTR	AAR2	11	0.08	1.8	0.18
2006	AAR1	DRY	DRY	DRY	DRY
3rd QTR	AAR2	DRY	DRY	DRY	DRY
2006	AAR1	46	0.09	4.7	0.23
4th QTR	AAR2	43	0.1	3.3	0.08
2007	AAR1	17	0.5	2.5	0.29
1st QTR	AAR2	13	0.5	1	0.11
2007	AAR1	DRY	DRY	DRY	DRY
2nd QTR	AAR2	DRY	DRY	DRY	DRY
2007	AAR1	<1.0	0.01	4.5	0.21
3rd QTR	AAR2	<1.0	1.56	7.4	0.78
2007	AAR1	<1.0	0.3	3.5	0.19
4th QTR	AAR2	<1.0	0.82	4.5	0.17
2008	AAR1	47	0.2	0.9	0.16
1st QTR	AAR2	43	0.1	2.0	0.16
2008	AAR1	<0.1	1.59	2.3	0.54
2nd QTR	AAR2	<0.1	1.05	1.1	0.02
2008	AAR1	122	0.7	1.9	0.2
3rd QTR	AAR2	86	0.9	1.3	0.3
2008	AAR1	<1.0	0.14	3.0	0.05
4th QTR	AAR2	<1.0	0.28	4.0	0.06

TABLE 7: Ambient surface water monitoring results (2005-2009)



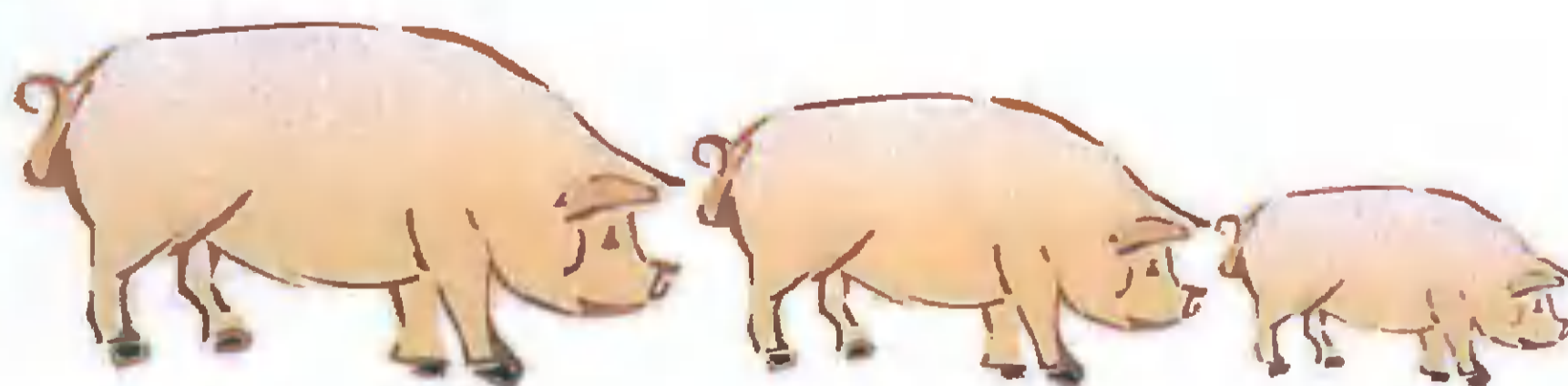
ANNUAL ENVIRONMENTAL REPORT

2010

Licence Register No: P0446-01

Licensee: Michael Monagle

Location of Activity: Annakisha North,
Doneraile,
Co. Cork



July 2011

PREPARED BY: Michael Sweeney, NREG, Mooresfort, Lattin, Co Tipperary.



3.1 PIG MANURE STORAGE CAPACITY

The available pig manure storage capacity is recorded weekly on site, and reported monthly to the Agency. This data is summarised in Table 3, 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	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Jan	50.2	62.68	49.40	54.93	46.87	49.2	35.17	41	50	41	67
Feb	51.78	68.66	56.20	61.33	72.6	34.00	40.50	49	56	71	70
March	30.16	72.88	64.36	61.67	65.67	51.33	34.50	49	61	0	68
April	35.44	59.48	34.12	49.80	65.90	56.33	42.66	65	64	0	70
May	47.14	53.46	41.82	50.33	53.67	61.33	44.83	62	57	0	73
June	51.28	52.32	51.00	53.49	60.97	71.33	32.17	58	56	95	76
July	49.56	52.28	57.02	49.20	47.23	75.50	24.50	54	53	93	76
Aug	46.48	59.12	51.96	55.43	53.33	79.66	20.33	55	52	93	81
Sept	43.64	47.56	27.88	47.36	43.23	86.67	14.33	62	55	58	79
Oct	38.12	34.68	27.22	24.96	46.83	86.67	28.17	59	62	86	85
Nov	37.50	45.00	39.86	31.36	40.47	81.16	37.40	55	54	82	81
Dec	55.44	42.66	48.68	35.74	47.83	69.66	45.20	46	48	75	74

TABLE 3: Summary of pig manure volumes stored as % of capacity. (2000- 2010)

3.2 PIG MANURE ANALYSES:

The nutrient content of the pig manure from this facility is currently being calculated as 4.2 Kgs Org N/M³, and 0.8 Kgs P/M³ in accordance with S.I. No 101 of 2009.

3.3 ALTERATIONS TO FARMER CUSTOMERS FOR PIG MANURE

There were no alterations to the list of customer farms utilising pig manure as fertiliser during this reporting period.

3.4 CONTRACTORS UNDERTAKING LANDSPREADING.

There were no alterations to the contractors used to deliver pig manure from this facility during this reporting period.

3.5 PIG MANURE SPREADING 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. 10,488 m³ of pig manure was delivered to customer farms during 2010, for use as a fertiliser, on agricultural crops.

3.6 FERTILISER PLAN

The fertiliser plan for the year 2010 was submitted to the Agency in January 2010.

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 waste generated on site during 2010 are summarised in Table 4 overleaf, and set out for comparison to the volumes of previous years.

Waste Type	Pig Carcasses	Veterinary Waste	Fluorescent Tubes	Domestic Refuse
EWC Code	02 01 02	18 02 01	20 01 21	20 03 01
Volume 2004	36.17 tonnes	14 Kgs		
Volume 2005	16.63 Tonnes	31.5 Kgs		
Volume 2006	27.60	11.5 Kgs	30 Tubes	55 Tonnes
Volume 2007	29.83	12.5 Kgs		23.1 Tonnes
Volume 2008	28.95	20 Kgs	50 Tubes	29.7 Tonnes
Volume 2009	7.86	20 Kgs	120 Tubes	22.0 Tonnes
Volume 2010	32.05	20 Kgs	80 Tubes	16.5 Tonnes

TABLE 4: Volumes of wastes generated 2004 - 2010.

3.8 ENVIRONMENTAL INCIDENTS AND COMPLAINTS

There were no complaints or incidents regarding the facility in the reporting period

3.9 SELF MONITORING DATA.

1. AMBIENT SURFACE WATER MONITORING

Table 5 shows the results obtained for ambient surface water analyses.

DATE	Location Ref.	COD	Ammonia	Total N	Total P
2010	AAR1	<1	0.02	2.9	0.04
	AAR2	<1	0.02	3.0	0.04
1st QTR	AAR1	DRY	DRY	DRY	DRY
	AAR2	DRY	DRY	DRY	DRY
2nd QTR	AAR1	DRY	DRY	DRY	DRY
	AAR2	DRY	DRY	DRY	DRY
3rd QTR	AAR1	DRY	DRY	DRY	DRY
	AAR2	DRY	DRY	DRY	DRY
4th QTR	AAR1	14	0	2.1	0.3
	AAR2	1	0	1.6	0.2

TABLE 5: Ambient surface water monitoring results (2010)

2. AMBIENT GROUNDWATER MONITORING

Table 6 shows the results obtained for groundwater analyses

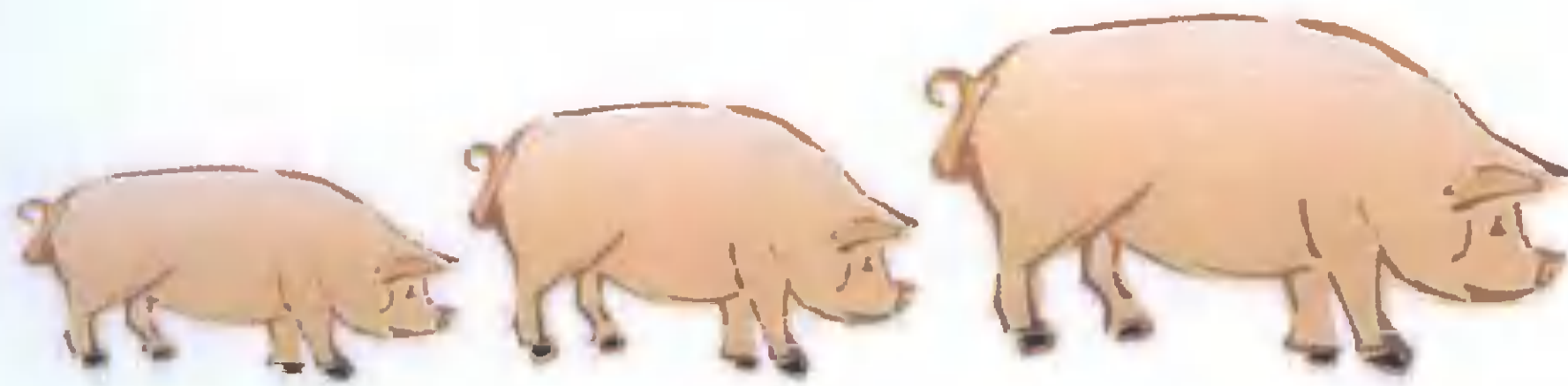
LOCATION	DATE	NITRATE	TOTAL AMMONIA	F. COLI
AAW1	2010	1.8	<0.1	0
AAW5	1st QTR	1.8	<0.1	0
AAW1	2010	1.1	0.08	0
AAW5	2nd QTR	1	0.09	0
AAW1	2010	4.1	0.17	0
AAW5	3rd QTR	3.8	0.07	0
AAW1	2010	0.9	0.07	0
AAW5	4th QTR	0.1	0.09	0

TABLE 6: Ambient groundwater monitoring results (2010)

3. 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 7 overleaf outlines the results of surface water discharge analyses.

Planning Department
26 NOV 2014
CITY OF DUBLIN



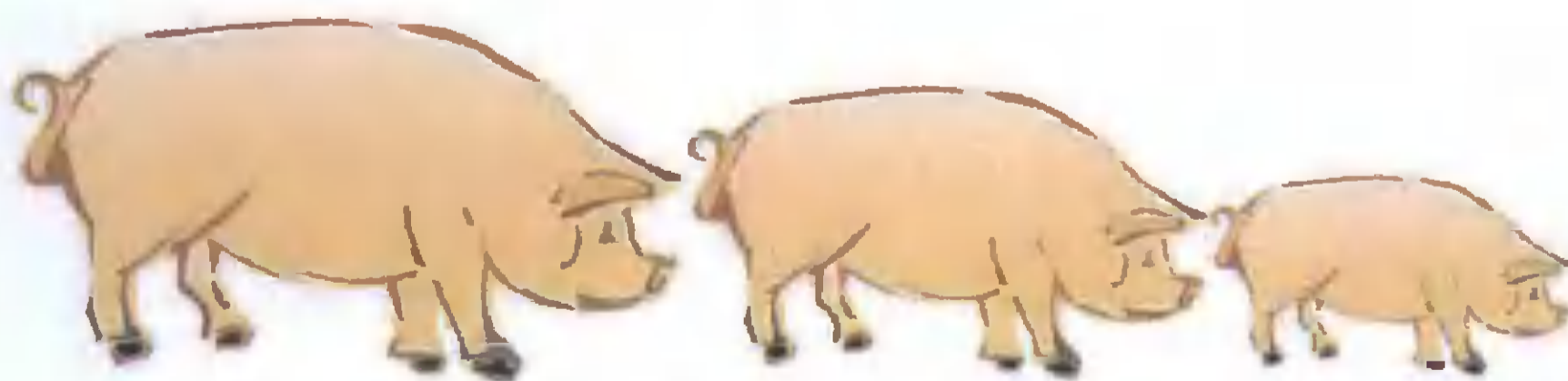
ANNUAL ENVIRONMENTAL REPORT

2011

Licence Register No: P0446-01

Licensee: Michael Monagle

Location of Activity: Annakisha North,
Doneraile,
Co. Cork



July 2012

PREPARED BY: Michael Sweeney, NRGE, Mooresfort, Lattin, Co Tipperary.

Unit	2004	2005	2006	2007	2008	2009	2010	2011
Tonnes of Feed	4943	2372	4931	5062	5158	1261	4537	4621
Litres of Heating Oil	0	0	0	0	0	0	0	0
Units of Electricity	850,607	521,884	880,556	877,672	859,348	467,934	849,687	856,217

Table 2: Summary of unit utilization in production process

3.1 PIG MANURE STORAGE CAPACITY

The available pig manure storage capacity is recorded weekly on site, and reported monthly to the Agency. This data is summarised in Table 3, 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	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Jan	62.68	49.40	54.93	46.87	49.2	35.17	41	50	41	67	37.2
Feb	68.66	56.20	61.33	72.6	34.00	40.50	49	56	71	70	29.8
March	72.88	64.36	61.67	65.67	51.33	34.50	49	61	0	68	23.4
April	59.48	34.12	49.80	65.90	56.33	42.66	65	64	0	70	28
May	53.46	41.82	50.33	53.67	61.33	44.83	62	57	0	73	24.6
June	52.32	51.00	53.49	60.97	71.33	32.17	58	56	95	76	19.8
July	52.28	57.02	49.20	47.23	75.50	24.50	54	53	93	76	29.8
Aug	59.12	51.96	55.43	53.33	79.66	20.33	55	52	93	81	32.7
Sept	47.56	27.88	47.36	43.23	86.67	14.33	62	55	58	79	27.8
Oct	34.68	27.22	24.96	46.83	86.67	28.17	59	62	86	85	26
Nov	45.00	39.86	31.36	40.47	81.16	37.40	55	54	82	81	37.82
Dec	42.66	48.68	35.74	47.83	69.66	45.20	46	48	75	74	50

TABLE 3: Summary of pig manure volumes stored as % of capacity. (2001- 2011)

3.2 PIG MANURE ANALYSES:

The nutrient content of the pig manure from this facility is currently being calculated as 4.2 Kgs Org N/M3, and 0.8 Kgs P/M3 in accordance with S.I. No 101 of 2009.

3.3 ALTERATIONS TO FARMER CUSTOMERS FOR PIG MANURE

There were no alterations to the list of customer farms utilising pig manure as fertiliser during this reporting period.

3.4 CONTRACTORS UNDERTAKING LANDSPREADING.

There were no alterations to the contractors used to deliver pig manure from this facility during this reporting period.

3.5 PIG MANURE SPREADING 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.

9,281 m3 of pig manure was delivered to customer farms during 2011, for use as a fertiliser, on agricultural crops.

3.6 FERTILISER PLAN

The fertiliser plan for the year 2011 was submitted to the Agency in January 2011.

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 waste generated on site during 2011 are summarised in Table 4 and set out for comparison to the volumes of previous years.

Waste Type	Pig Carcasses	Veterinary Waste	Fluorescent Tubes	Domestic Refuse
EWC Code	02 01 02	18 02 01	20 01 21	20 03 01
Volume 2004	36.17 tonnes	14 Kgs		
Volume 2005	16.63 Tonnes	31.5 Kgs		
Volume 2006	27.60	11.5 Kgs	30 Tubes	55 Tonnes
Volume 2007	29.83	12.5 Kgs		23.1 Tonnes
Volume 2008	28.95	20 Kgs	50 Tubes	29.7 Tonnes
Volume 2009	7.86	20 Kgs	120 Tubes	22.0 Tonnes
Volume 2010	32.05	20 Kgs	80 Tubes	16.5 Tonnes
Volume 2011	33.97 Tonnes	24 Kgs		37.3 Tonnes

TABLE 4: Volumes of wastes generated 2004 - 2011.

3.8 ENVIRONMENTAL INCIDENTS AND COMPLAINTS

There were no complaints or incidents regarding the facility in the reporting period

3.9 SELF MONITORING DATA.

1. AMBIENT SURFACE WATER MONITORING

Table 5 shows the results obtained for ambient surface water analyses.

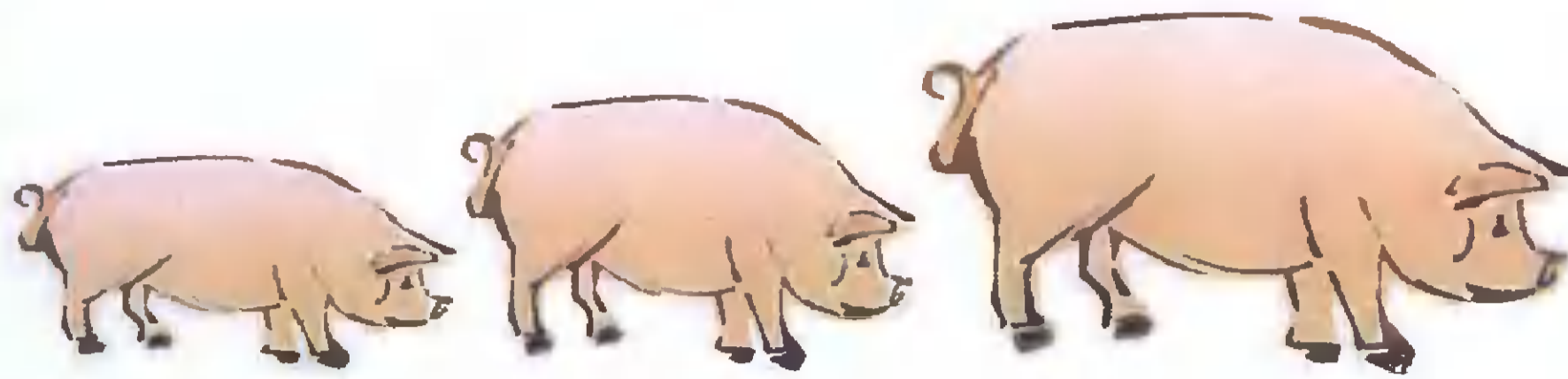
DATE	Location Ref.	COD	Ammonia	Total N	Total P
2011 1st QTR	AAR1	17	1.0	2.8	0.1
	AAR2	2	1.0	3.6	0.1
2nd QTR	AAR1	18	0.2	2.8	0.1
	AAR2	<1	0.1	3.2	0.2
3rd QTR	AAR1	8	0.14	0.9	1.19
	AAR2	10	0.12	0.4	0.56
4th QTR	AAR1	13	0.27	<0.5	0.13
	AAR2	10	0.25	<0.5	0.12

TABLE 5: Ambient surface water monitoring results (2011)

2. AMBIENT GROUNDWATER MONITORING

Table 6 shows the results obtained for groundwater analyses

LOCATION	DATE	NITRATE	TOTAL AMMONIA	F. COLI
AAW1	2010	1.8	<0.1	0
AAW5	1st QTR	1.8	<0.1	0
AAW1	2010	1.1	0.08	0
AAW5	2nd QTR	1	0.09	0
AAW1	2010	4.1	0.17	0
AAW5	3rd QTR	3.8	0.07	0
AAW1	2010	0.9	0.07	0
AAW5	4th QTR	0.1	0.09	0



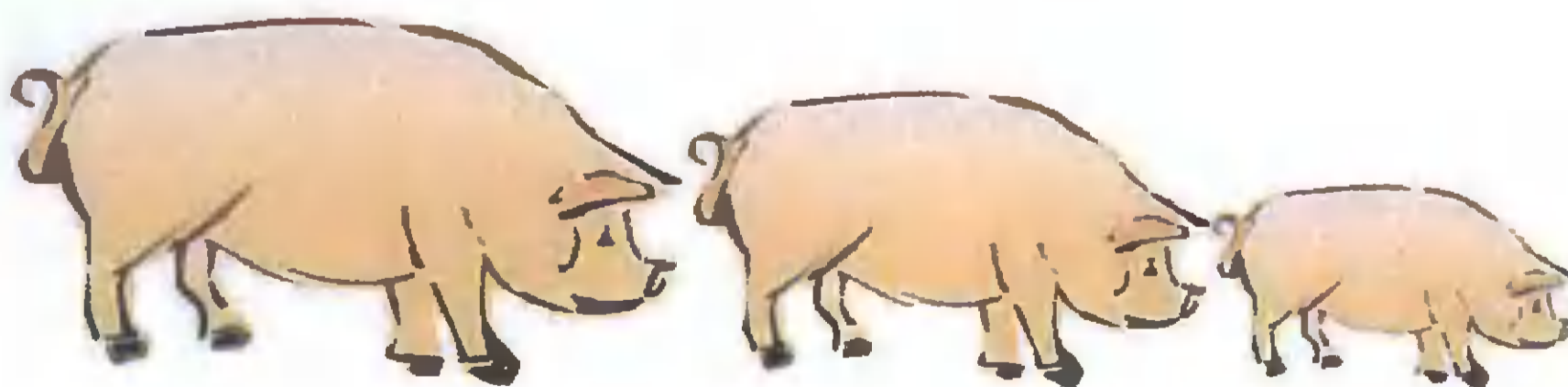
ANNUAL ENVIRONMENTAL REPORT

2012

Licence Register No: P0446-01

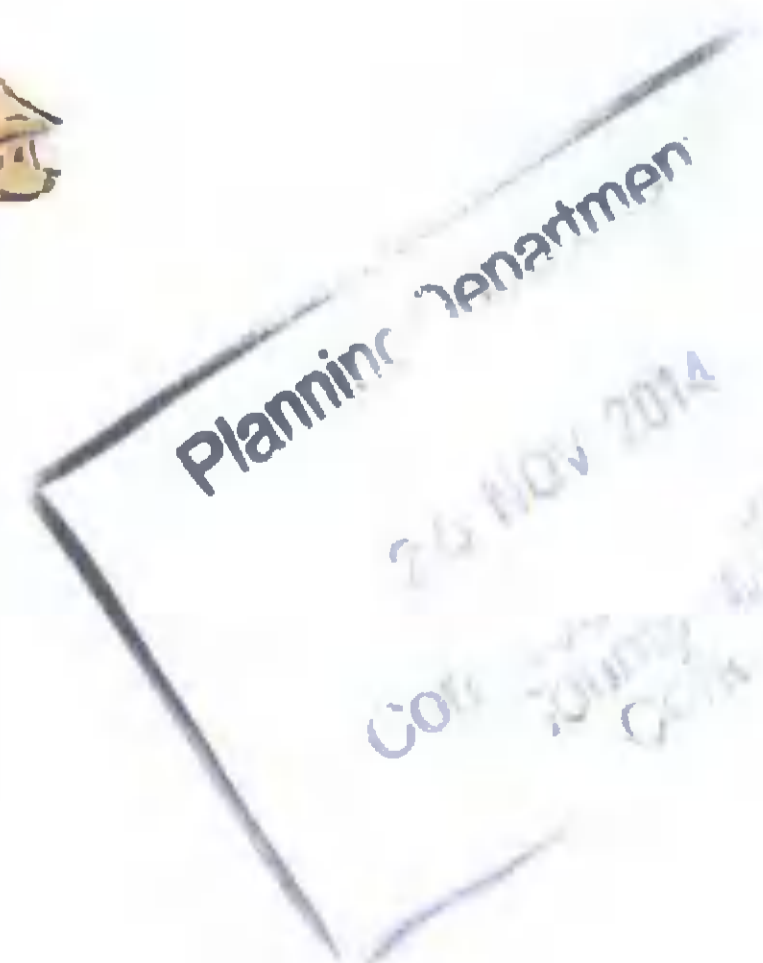
Licensee: Michael Monagle

Location of Activity: Annakisha North,
Doneraile,
Co. Cork



April 2013

PREPARED BY: Michael Sweeney, NRGE, Mooresfort, Lattin, Co Tipperary.



Unit	2005	2006	2007	2008	2009	2010	2011	2012
Tonnes of Feed	2372	4931	5062	5158	1261	4537	4621	5593
Litres of Heating Oil	0	0	0	0	0	0	0	
Units of Electricity	521,884	880,556	877,672	859,348	467,934	849,687	856,217	879,783
Gas Usage								3,735 Litres

Table 2: Summary of unit utilization in production process

3.1 PIG MANURE STORAGE CAPACITY

The available pig manure storage capacity is recorded weekly on site, and reported monthly to the Agency. This data is summarised in Table 3, 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	2009	2010	2011	2012
January	46.87	49.2	35.17	41	50	41	67	37.2	61.33
February	72.6	34.00	40.50	49	56	71	70	29.8	58.33
March	65.67	51.33	34.50	49	61	0	68	23.4	44
April	65.90	56.33	42.66	65	64	0	70	28	33.99
May	53.67	61.33	44.83	62	57	0	73	24.6	29.33
June	60.97	71.33	32.17	58	56	95	76	19.8	40.33
July	47.23	75.50	24.50	54	53	93	76	29.8	39.66
August	53.33	79.66	20.33	55	52	93	81	32.7	47
September	43.23	86.67	14.33	62	55	58	79	27.8	51.66
October	46.83	86.67	28.17	59	62	86	85	26	32.66
November	40.47	81.16	37.40	55	54	82	81	37.82	38.83
December	47.83	69.66	45.20	46	48	75	74	50	50

TABLE 3: Summary of pig manure volumes stored as % of capacity. (2004- 2012)

3.2 PIG MANURE ANALYSES:

The nutrient content of the pig manure from this facility is currently being calculated as 4.2 Kgs Org N/M³, and 0.8 Kgs P/M³ in accordance with S.I. No 101 of 2009.

3.3 ALTERATIONS TO FARMER CUSTOMERS FOR PIG MANURE

There were no alterations to the list of customer farms utilising pig manure as fertiliser during this reporting period.

3.4 CONTRACTORS UNDERTAKING LANDSPREADING.

There were no alterations to the contractors used to deliver pig manure from this facility during this reporting period.

3.5 PIG MANURE SPREADING 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.

8,764 m3 of pig manure was delivered to customer farms during 2012, for use as a fertiliser, on agricultural crops.

3.6 FERTILISER PLAN

Fertilizer plans for customer farms are the responsibility of the individual customer farms as is compliance with the Nitrate Directive Regulations.

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 waste generated on site during 2011 are summarised in Table 4 and set out for comparison to the volumes of previous years.

Waste Type	Pig Carcasses	Veterinary Waste	Fluorescent Tubes	Domestic Refuse
EWC Code	02 01 02	18 02 01	20 01 21	20 03 01
Volume 2004	36.17 tonnes	14 Kgs		
Volume 2005	16.63 Tonnes	31.5 Kgs		
Volume 2006	27.60	11.5 Kgs	30 Tubes	55 Tonnes
Volume 2007	29.83	12.5 Kgs		23.1 Tonnes
Volume 2008	28.95	20 Kgs	50 Tubes	29.7 Tonnes
Volume 2009	7.86	20 Kgs	120 Tubes	22.0 Tonnes
Volume 2010	32.05	20 Kgs	80 Tubes	16.5 Tonnes
Volume 2011	33.97 Tonnes	24 Kgs		37.3 Tonnes
Volume 2012	33.02 Tonnes	16.32 Kgs	40 Tubes	26.4 Tonnes

TABLE 4: Volumes of wastes generated 2004 - 2012.

3.8 ENVIRONMENTAL INCIDENTS AND COMPLAINTS

There were no complaints or incidents regarding the facility in the reporting period

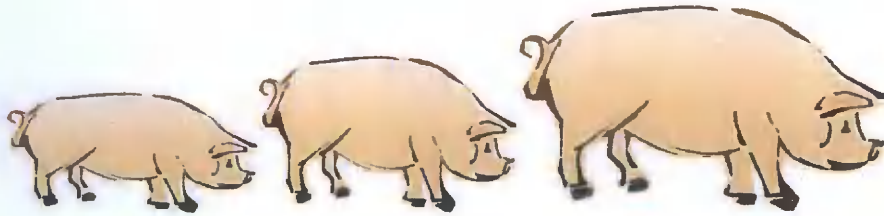
3.9 SELF MONITORING DATA.

1. AMBIENT SURFACE WATER MONITORING

Table 5 shows the results obtained for ambient surface water analyses.

DATE	Location Ref.	COD	Ammonia	Total N	Total P
2012 1st QTR	AAR1				
	AAR2				
2nd QTR	AAR1	12	0.07	7.3	0.18
	AAR2	6	0.06	7.6	0.17
3rd QTR	AAR1	62	0.03	0.1	0.16
	AAR2	58	0.01	0.1	0.14
4th QTR	AAR1	<1	0.1	1.4	0.32
	AAR2	18	0.06	0.9	0.19

TABLE 5: Ambient surface water monitoring results (2012)



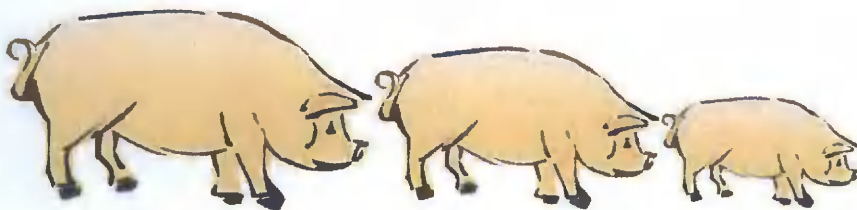
ANNUAL ENVIRONMENTAL REPORT

2013

Licence Register No: P0446-01

Licensee: Michael Monagle

Location of Activity: Annakisha North,
Doneraile,
Co. Cork



April 2014

PREPARED BY: Michael Sweeney, NRGE, Moonesfort, Lattin, Co Tipperary.

Unit	2006	2007	2008	2009	2010	2011	2012	2013
Tonnes of Feed	4931	5062	5158	1261	4537	4621	5593	5454
Litres of Heating Oil	0	0	0	0	0	0	0	0
Units of Electricity	880,556	877,672	859,348	467,934	849,687	856,217	879,783	920,385
Gas Usage								57,766 Litres

Table 2: Summary of unit utilization in production process

3.1 PIG MANURE STORAGE CAPACITY

The available pig manure storage capacity is recorded weekly on site, and reported monthly to the Agency. This data is summarised in Table 3, 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	2005	2006	2007	2008	2009	2010	2011	2012	2013
January	49.2	35.17	41	50	41	67	37.2	61.33	58
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March	51.33	34.50	49	61	0	68	23.4	44	44
April	56.33	42.66	65	64	0	70	28	33.99	52
May	61.33	44.83	62	57	0	73	24.6	29.33	58
June	71.33	32.17	58	56	95	76	19.8	40.33	43
July	75.50	24.50	54	53	93	76	29.8	39.66	51
August	79.66	20.33	55	52	93	81	32.7	47	46
September	86.67	14.33	62	55	58	79	27.8	51.66	37
October	86.67	28.17	59	62	86	85	26	32.66	31
November	81.16	37.40	55	54	82	81	37.82	38.83	40
December	69.66	45.20	46	48	75	74	50	50	50

TABLE 3: Summary of pig manure volumes stored as % of capacity. (2005- 2013)

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The nutrient content of the pig manure from this facility is currently being calculated as 4.2 Kgs Org N/M3, and 0.8 Kgs P/M3 in accordance with S.I. No 610 of 2010.

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Volume 2011	33.97 Tonnes	24 Kgs		37.3 Tonnes
Volume 2012	33.02 Tonnes	16.32 Kgs	40 Tubes	26.4 Tonnes
Volume 2013	54.97 Tonnes	6 Kgs	30 Tubes	29.6 Tonnes

TABLE 4: Volumes of wastes generated 2004 - 2013.

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There were no complaints or incidents regarding the facility in the reporting period

3.9 SELF MONITORING DATA.

1. AMBIENT SURFACE WATER MONITORING

Table 5 shows the results obtained for ambient surface water analyses.

DATE	Location Ref.	COD	Ammonia	Total N	Total P
2013 1st QTR	AAR1	12	0.01	3.5	0.11
	AAR2	13	0.01	2.6	0.06
2nd QTR	AAR1	41	0.1	1.4	0.1
	AAR2	36	0.02	3.6	0.1
3rd QTR	AAR1	Dry	Dry	Dry	Dry
	AAR2	Dry	Dry	Dry	Dry
4th QTR	AAR1	39	0.03	2.3	<0.01
	AAR2	41	0.03	2.6	<0.01

TABLE 5: Ambient surface water monitoring results (2013)

2. AMBIENT GROUNDWATER MONITORING

Table 6 shows the results obtained for groundwater analyses

LOCATION	DATE	NITRATE	TOTAL AMMONIA	F. COLI
AAW1	2010	1.8	<0.1	0
AAW5	1st QTR	1.8	<0.1	0
AAW1	2010	1.1	0.08	0
AAW5	2nd QTR	1	0.09	0