

# **ANNUAL ENVIRONMENTAL REPORT**

**2017**

License Register no. P0447-01

Licensee: James McGrath

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

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1. AER/PRTR spreadsheets

## 1. Introduction

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

**Licensee** James McGrath  
**License registration no.** P0447-01  
**Location of activity** Ashleigh House, Ballinameela, Cappagh, Co. Waterford.

## 2. Description of site activities

The pig production unit is located in a wholly agricultural area in the townland of Ballinameela, Cappagh, Co. Waterford, about 3.8 kilometres due east of Dungarvan.

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

<b>Animal Type</b>	<b>IPC Reg stock numbers</b>	<b>Actual stock number 2006</b>	<b>Actual stock number 2007</b>	<b>Actual stock number 2008</b>	<b>Actual stock number 2009</b>	<b>Actual stock number 2010</b>	<b>Actual stock number 2011</b>	<b>Actual stock number 2012</b>
<b>Suckling Sows</b>	199	165	165	176	190	195	195	197
<b>Dry Sows</b>	701	642	642	687	690	668	696	694
<b>Boars</b>	20	11	11	10	5	6	5	5
<b>Maiden Gilts</b>	65	60	60	60	61	61	60	146
<b>Weaners</b>	3100	2931	2931	2993	3015	3070	3069	3056
<b>Finishers</b>	4500	4389	4389	2498	4272	4376	4401	4403

<b>Animal Type</b>	<b>IPC Reg stock numbers</b>	<b>Actual stock number 2013</b>	<b>Actual Stock numbers 2014</b>	<b>Actual Stock numbers 2015</b>	<b>Actual Stock numbers 2016</b>	<b>Actual Stock numbers 2017</b>
<b>Suckling Sows</b>	199	194	194	195	194	192
<b>Dry Sows</b>	701	693	695	695	692	687
<b>Boars</b>	20	6	6	5	5	5
<b>Maiden Gilts</b>	65	96	94	96	95	96
<b>Weaners</b>	3100	3070	3061	3067	3028	2887
<b>Finishers</b>	4500	4386	4262	4273	4269	4298

TABLE 1: Average stock numbers

### 3. Summary Information

During 2017, 8345 tonnes of animal feed was utilized on site, along with an estimated 25800 M3 of water, in the production of pig meat. 500 Litres heating oil, and 62185 units of electricity, were also utilized in the process.

<b>Unit</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>
<b>Animal feed</b> Tonnes	5170	6100	5640	4965	6975	7377	7449
<b>Heating oil</b> Litres	21275	23910	31000	42000	13000	500	1000
<b>Electricity</b> Units	196757	192338	194547	193447	193850	590913	599452
<b>Water</b> M3	24670	20356	20504	22784	20946	27756	25000



### 3.2 Pig manure spreading register

The pig manure produced on this site is utilized as fertilizer on agricultural crops, in accordance with nutrient requirements, and therefore is not waste, as determined by the European court of justice. A pig manure register is maintained on site and is available for inspection during normal working hours. The manure register records all deliveries of pig manure to customer farmers during 2017 and amounts to 17227 M3. A copy of the register (record 3) for 2017 has been sent to the department of agriculture and is also available on site.

### 3.3 Waste not destined for land spreading

The waste management records for waste not destined for land spreading are recorded on site and available for inspection during normal working hours. These include the register for pig carcasses, refuse, and veterinary waste, and the total volumes removed off site are set out below in Table 4.

Waste type	Pig carcasses	Veterinary waste	Paper & Cardboard	Fluorescent tubes
<b>EWC code</b>	02 01 02	18 02 01	20 03 01	20 01 21
<b>2006</b>	60.22TN	2KG	0.52TN	25
<b>2007</b>	55.45TN	4KG	3.18TN	25
<b>2008</b>	57.40TN	5KG	0.42TN	28
<b>2009</b>	53.90TN	2KG	0.74TN	36
<b>2010</b>	53.38TN	4KG	1.54TN	35
<b>2011</b>	56.27TN	2KG	0.62TN	40
<b>2012</b>	57.99TN	2KG	0.40TN	28
<b>2013</b>	48.33TN	2KG	0.49TN	12
<b>2014</b>	52.20TN	2KG	0.75TN	20
<b>2015</b>	51.93TN	2KG	0.464TN	16
<b>2016</b>	54.07TN	2KG	0.760TN	31
<b>2017</b>	53.08TN	2KG	0.438TN	31

TABLE 4: Summary of waste volume exported.

### 3.4 Environmental incidents and complaints

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

### 3.5 Self monitoring data

#### 1. Surface water monitoring

The surface water monitoring points are visually inspected weekly and sampled quarterly. Table 5 below outlines the results of surface water discharge analyses.

Year	1 <sup>st</sup> Quarter	2 <sup>nd</sup> Quarter	3 <sup>rd</sup> Quarter	4 <sup>th</sup> Quarter
2006 (COD mg/l)	53	0	26	7
2007 (COD mg/l)	53	0	26	7
2008 (COD mg/l)	19.8	21	<1	<1
2009 (COD mg/l)	<1.0	9	<1	<1.0
2010 (COD mg/l)	<1	20	Dry	<1
2011 (COD mg/l)	8	<1	12	3
2012 (COD mg/l)	25	11	1	3
2013 (COD mg/l)	<1	23	Dry	1
2014 (COD mg/l)	6	11	DRY	<1
2015 (COD mg/l)	<1	DRY	<1	<3
2016 (COD mg/l)	<1	11	7	6

<b>mg/l)</b>				
<b>2017 (COD mg/l)</b>	<1	DRY	8	3

Table 5: Surface water discharge analyses results (2006-2017)

## 2. Ground water monitoring

There are two wells located adjacent to this site, which are sampled annually. A third well was installed in 2013 as part of our tank and pipeline testing and this is also sampled annually. Table 6 outlines the results of these analyses to date.

Location	Date	Total Ammonia (mg/l NH3-N)	Nitrate (mg/l NO3-N)	Faecal Coliforms (MPN/100mls)
W1	21-04-08	0.03	12.6	0
W2		0.03	13	0
W1	07-04-09	0.03	9.4	0
W2		0.05	9.2	0
W1	01-11-10	0.26	9.2	0
W2		1.5	9.2	0
W1	13-04-11	1.30	10.3	0
W2		1.00	10.1	0
W1	15-08-12	0.08	10.9	0
W2		0.05	11.1	0
W1	13-06-13	0.03	9.8	0
W2		0.05	9.8	0
W1	24-03-14	0.0	16.8	0
W2		0.25	8.7	0
W3		0.03	12.8	0
W1	21-04-15	<0.1	17.0	0
W2		<0.1	13.6	0
W3		<0.1	7.8	0



W1	22-11-16	0.03	9.5	0
W2		<0.1	9.2	0
W3		0.02	5.9	0
W1	20-07-17	0.03	13.2	<1
W2		<0.1	9.6	<1
W3		<0.01	7.1	0

Table 6: Groundwater monitoring results (2008-2017)

#### 4. Management of the activity

##### 4.1 Corrective action Procedures

A copy of the corrective action procedure for this site is available for inspection on site.

##### 4.2 Awareness and training programme

A copy of the awareness and training programme for this site is available for inspection on site.

##### 4.3 Communications

A copy of the public information programme for this site is available for inspection on site.

##### 4.4 Vermin control

Vermin control is carried out on site by staff every week. A register is maintained of these inspections. A copy of this register is available on site.

#### 5. Tank and pipeline testing and inspection report

The leak detection inspection chambers under the Dry Sow house, Gilt house and farrowing house is inspected monthly and records of these inspections are maintained on site. A tank and pipeline proposal was submitted to the agency in July 2007, this proposal detailed an investigated with a view towards using hydrogeological investigations and/or geophysical surveys to determine the best method for future

tank and pipeline testing. On the 30<sup>th</sup> of April 2013 a site investigation was carried out by IE Consultants. It was proposed to install an additional down gradient monitoring borehole at the site. This borehole was installed in January 2014 and is been tested annually.

# ATTACHMENT

# 1