

Annual Environment Report 2015

License Register No.: P0396-01

Licensee: Maurice O'Brien

Location of Activity: Derrynanool
Mitchelstown
Co. Cork

March 2016

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1.0 Introduction

The document consists of reports and data to ensure fulfillment of the license obligation under the integrated pollution control license.

Licensee: Maurice O'Brien

License Reg.: Reg No. P0396-01

Location of Activity: Derrynanool, Mitchelstown, Co Cork

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.

2.0 Description of the Activities

The production unit is located in an isolated site, in a wholly agricultural area, approximately 3.5 KM from Mitchelstown town center. The nearest private dwelling is approximately 650m to the north of the unit.

The unit has been licensed by the environmental protection Agency since 31st December 1998, and the operating capacity of the site is set out in Table 1 below. The estimated volume of pig's slurry produced from these stocks during 2015 was 35,041 M3.

Table 1. Average stocking level at the site (2008-2015)

| Animal Type | Stock Numbers on IPC Licence Reg No 396 | Average Stock Numbers on site for 2008 | Average Stock Number s on site for 2009 | Average Stock Number s on site for 2010 | Average Stock Number s on site for 2011 | Average Stock Numbers on site for 2012 | Average Stock Number s on site for 2013 | Average Stock Numbers on site for 2014 | Average Stock Numbers on site for 2015 |
|---------------|---|--|---|---|---|--|---|--|--|
| Suckling Sows | 530 | 512 | 341 | 528 | 524 | 527 | 528 | 528 | 528 |
| Dry Sows | 1,870 | 1,859 | 1,098 | 1,771 | 1,868 | 1,862 | 1,865 | 1,751 | 1,868 |
| Bears | 20 | 10 | 4 | 4 | 15 | 20 | 15 | 20 | 20 |
| Maiden Gilts | 240 | 230 | 163 | 209 | 214 | 232 | 234 | 237 | 236 |
| Weaners | 8,200 | 8,049 | 4,848 | 5,829 | 8,195 | 8,180 | 8,190 | 6,347 | 8,191 |
| Finishers | 12,000 | 11,714 | 5,033 | 10,917 | 11,750 | 11,475 | 11,547 | 11,097 | 11,935 |

3.0 Summary Information

During 2015 16,800 tonnes of animal feed were utilised on site. 84,390 heating oil, 1,112,044 units of electricity and 113,097 units of natural gas were utilised in the process.

Table 2. Summary of Production units

| Units | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Tonnes of Feed | 11,144 | 8,480 | 12,107 | 15,379 | 12,051 | 11,820 | 16,482 | 16,800 |
| Litres of Heating Oil | 326,444 | 258,893 | 397,385 | 295,900 | 123,543 | 62,231 | 117,303 | 84,390 |
| Natural Gas | - | - | - | - | 77,815 | 129,448 | 123,068 | 113,097 |
| Units of Electricity | 1,110,610 | 301,109 | 1,103,670 | 1,101,030 | 1,076,730 | 1,137,480 | 1,050,56 | 1,112,044 |
| M3 of Water | 37,664 | 35,621 | 34,500 | 35,602 | 32,133 | 31,655 | 44,369 | 44,417 |

3.1 Pig Manure Storage Capacity

The available pig manure storage capacity is reordered weekly on site and reported monthly to the Agency. This data is summarised in Table 3 below, and presented as the % of storage capacity available at the end of each month. There is clear evidence that there is sufficient suitable storage on site. The available slurry storage capacity of this farm is 32,195 M3.

Table 3 : Summary of available pig manure capacity (2000 – 2015)

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 2000 | 51% | 51% | 48% | 42% | 37% | 58% | 68% | 67% | 65% | 55% | 45% | 37% |
| 2001 | 33% | 35% | 39% | 37% | 49% | 66% | 70% | 76% | 73% | 70% | 61% | 49% |
| 2002 | 41% | 36% | 43% | 52% | 54% | 49% | 67% | 68% | 71% | 67% | 63% | 46% |
| 2003 | 36% | 38% | 42% | 60% | 59% | 66% | 70% | 76% | 72% | 72% | 66% | 57% |
| 2004 | 44% | 49% | 58% | 48% | 56% | 45% | 52% | 60% | 61% | 57% | 52% | 50% |
| 2005 | 28% | 22% | 27% | 30% | 29% | 35% | 50% | 53% | 51% | 53% | 44% | 37% |
| 2006 | 30% | 32% | 78% | 46% | 44% | 44% | 55% | 48% | 38% | 41% | 34% | 25% |
| 2007 | 20% | 21% | 23% | 56% | 41% | 45% | 46% | 55% | 53% | 51% | 43% | 39% |
| 2008 | 31% | 35% | 39% | 45% | 49% | 58% | 69% | 72% | 81% | 78% | 69% | 60% |
| 2009 | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 96% | 90% | 75% | 72% |
| 2010 | 43% | 35% | 59% | 75% | 69% | 68% | 68% | 73% | 85% | 81% | 79% | 75% |
| 2011 | 63% | 59% | 57% | 59% | 66% | 70% | 71% | 69% | 88% | 74% | 60% | 52% |
| 2012 | 69% | 65% | 72% | 71% | 78% | 71% | 65% | 66% | 72% | 71% | 75% | 68% |
| 2013 | 40% | 39% | 49% | 66% | 71% | 74% | 65% | 70% | 70% | 63% | 60% | 53% |
| 2014 | 21% | 26% | 51% | 73% | 85% | 63% | 63% | 63% | 75% | 71% | 50% | 40% |
| 2015 | 30% | 29% | 49% | 42% | 53% | 54% | 60% | 63% | 59% | 58% | 47% | 36% |

3.2 Pig Manure Analyses

The nutrient content of pig manure from this facility is currently in accordance with S.I No 31 of 2014 as 0.8 KGs P/M3 and 4.2 KGs N/M3

3.3 Alterations to Customers Lands

There were no alterations to customer farms during this period

3.4 Contractors Undertaking Delivery of Pig Manure

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

3.5 Pig Manure Spreading Register

A pig manure register is maintained on site. This register, contains commercial sensitive information on site for inspection during normal hours. The pig manure from this facility is utilised as fertilizer on agricultural crops, on clearly identified parcels of land, in accordance with nutrients requirements. And therefore is not waste, as determined by the European Court of Justice. During 2015, 35,041 M3 of pig manure was delivered to existing customers for use as an agricultural fertilizer, at rates required by a fertilizer plan.

3.6 Fertiliser Plan

Fertiliser plan for customer farms are the responsibility of the individual customer as is farm responsibility to ensure compliance with the nitrate directive regulation.

3.7 Waste Not Destined for Land spreading

The waste management records for waste not destined for land spreading are included as Attachment No 2. These include the registers for pig carcasses, refuse, veterinary waste, fluorescent tubes, and the total volumes removed off site are set out in Table 4.

Table 4 : Summary Of Waste Volumes Exported (2003-2015)

| Waste Type | Pig Carcasses (Tonnes) | Veterinary Waste (Litres) | General Refuse (Tonnes) | Fluorescent Tubes (Kg) |
|------------|------------------------|---------------------------|-------------------------|------------------------|
| | EWC 02 01 02 | EWC 18 02 01 | EWC 20 03 01 | |
| 2003 | 166.02 | 12 | 11.63 | |
| 2004 | 185.56 | 4 | 12.3 | |
| 2005 | 223.71 | 4 | 11.4 | |
| 2006 | 290.99 | 5 | 12.1 | |
| 2007 | 260.64 | 14 | 11.79 | |
| 2008 | 254.3 | 20 | 12.11 | |
| 2009 | 105.2 | 20 | 11.14 | |
| 2010 | 139.95 | 20 | 7.61 | |
| 2011 | 135.39 | 20 | 9.8 | |
| 2012 | 136 | 8.2 | 10.51 | 32 |
| 2013 | 149.3 | 21 | 10.14 | |
| 2014 | 130.94 | 36 | 9.83 | |
| 2015 | 151.04 | 70 | 10.5 | |

3.8 Environmental Incidents and Complaints

There are no complaints or incidents regarding the facility in the reporting period. This facility was last inspected by the Agency on 19th December 2014 and the resultant inspection report was issued on the 21st January 2015. This was an unannounced inspection. There were no non-compliances issued during this inspection.

3.9 Self-Monitoring Data

1. Ambient Surface Water Monitoring

A summary of ambient surface water monitoring, ground monitoring, and storm water monitoring for this facility for 2010 to 2015 is set out in Table 5.

Table 5. Ambient Surface Water Monitoring Results (2010 - 2015)

| Date | Location Ref | COD | Ammonia | Total "N" | Total "P" | Date | Location Ref | COD | Ammonia | Total "N" | Total "P" |
|---------|--------------|-----|---------|-----------|-----------|---------|--------------|-----|---------|-----------|-----------|
| 2010 | BR 10 | Dry | Dry | Dry | Dry | 2013 | BR 10 | 32 | <0.01 | 7.2 | 0.11 |
| 1st QTR | BR 11 | Dry | Dry | Dry | Dry | 1st QTR | BR 11 | 39 | 0.01 | 9.8 | 0.21 |
| 2010 | BR 10 | Dry | Dry | Dry | Dry | 2013 | BR 10 | 48 | 2.5 | 5 | 0.4 |
| 2nd QTR | BR 11 | Dry | Dry | Dry | Dry | 2nd QTR | BR 11 | 35 | 1.4 | 2.6 | 0.5 |
| 2010 | BR 10 | 8 | 0.6 | 7.1 | 3.6 | 2013 | BR 10 | 18 | 0.7 | 7.5 | 0.6 |
| 3rd QTR | BR 11 | 16 | 2.3 | 2.8 | 1.7 | 3rd QTR | BR 11 | 18 | 0.7 | 7.5 | 0.62 |
| 2010 | BR 10 | 7 | 0.2 | 1.9 | 0.4 | 2013 | BR 10 | 12 | 0.03 | 1.2 | 0.02 |
| 4th QTR | BR 11 | 6 | 0.1 | 0.5 | 0.3 | 4th QTR | BR 11 | 7 | 0.01 | 0.7 | <0.01 |
| 2011 | BR 10 | Dry | Dry | Dry | Dry | 2014 | BR 10 | Dry | Dry | Dry | Dry |
| 1st QTR | BR 11 | Dry | Dry | Dry | Dry | 1st QTR | BR 11 | Dry | Dry | Dry | Dry |
| 2011 | BR 10 | Dry | Dry | Dry | Dry | 2014 | BR 10 | 6 | 0.03 | 0.5 | 0.1 |
| 2nd QTR | BR 11 | Dry | Dry | Dry | Dry | 2nd QTR | BR 11 | 7 | 0.04 | 0.5 | 0.09 |
| 2011 | BR 10 | 8 | 3.3 | 8.3 | 0.6 | 2014 | BR 10 | 32 | 0.02 | 1.4 | 0.1 |
| 3rd QTR | BR 11 | 10 | 2.4 | 9.1 | 0.5 | 3rd QTR | BR 11 | 37 | 0.05 | 1.7 | 0.06 |
| 2011 | BR 10 | Dry | Dry | Dry | Dry | 2014 | BR 10 | 31 | 0.14 | 0.4 | 0.25 |
| 4th QTR | BR 11 | Dry | Dry | Dry | Dry | 4th QTR | BR 11 | 26 | 0.05 | 0.3 | 0.32 |
| 2012 | BR 10 | 39 | 0.08 | 11.9 | 0.63 | 2015 | BR 10 | 32 | 0.71 | 2.8 | 0.62 |
| 1st QTR | BR 11 | 31 | 0.06 | 11.1 | 0.5 | 1st QTR | BR 11 | 29 | 0.63 | 2.7 | 0.61 |
| 2012 | BR 10 | 44 | 1.6 | 1 | 0.62 | 2015 | BR 10 | 44 | 6.4 | 12.5 | 1.87 |
| 2nd QTR | BR 11 | 43 | 1.7 | 0.8 | 1.56 | 2nd QTR | BR 11 | 17 | 3.6 | 16.7 | 0.62 |
| 2012 | BR 10 | Dry | Dry | Dry | Dry | 2015 | BR 10 | 58 | 0.08 | 4.5 | 0.64 |
| 3rd QTR | BR 11 | Dry | Dry | Dry | Dry | 3rd QTR | BR 11 | 29 | 0.22 | 4.3 | 0.62 |
| 2012 | BR 10 | 35 | 0.35 | 2.6 | 1.04 | 2015 | BR 10 | 40 | 0.7 | 5.8 | 0.75 |
| 4th QTR | BR 11 | 32 | 0.35 | 2.8 | 1.03 | 4th QTR | BR 11 | 42 | 0.8 | 5.9 | 0.84 |

2. Ambient Groundwater Monitoring

Table 6 shows the result obtained for groundwater analyses.

Table 6 : Ambient Groundwater Monitoring results (2007-2015)

| Date | Location Ref | Nitrate | Total Ammonia | F.COLI |
|--------------------|--------------|---------|---------------|--------|
| 1st Aug 2007 | BW1 | 2.9 | 0.25 | 0 |
| 1st Aug 2007 | BW2 | 2.7 | 0.24 | 0 |
| 7th May 2008 | BW1 | 3.3 | 0.37 | 0 |
| 7th May 2008 | BW2 | 2.3 | 0.64 | 0 |
| 23rd March 2009 | BW1 | 1.4 | 0.1 | 0 |
| 2nd April 2009 | BW2 | 2.9 | 0.1 | 0 |
| 17th August 2010 | BW1 | 2.9 | 0.1 | 0 |
| 17th August 2010 | BW2 | 3.1 | 0.1 | 0 |
| 5th October 2011 | BW1 | 2.8 | 0.06 | 0 |
| 5th October 2011 | BW2 | 2.9 | 0.06 | 0 |
| 12th December 2011 | BW1 | 1.7 | 0.02 | 0 |
| 12th December 2011 | BW2 | 3.2 | 0.06 | 0 |
| 10th October 2013 | BW1 | 3.2 | 0 | 0 |
| 10th October 2013 | BW2 | 2.6 | 0 | 0 |
| 12th December 2014 | BW1 | 4.1 | 0.05 | 0 |
| 12th December 2014 | BW2 | 3.4 | 0.3 | 0 |
| 8th June 2015 | BW1 | 2.8 | <0.02 | 0 |
| 8th June 2015 | BW2 | 1.7 | <0.02 | 0 |

3. 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 1), and sample quarterly. Table 7 outlines the results of surface water discharge analyses.

Table 7 : Surface Water Discharge Analyses (2008 -2015)

| Date | Monitoring Point Ref | COD mg/l 2008 | COD mg/l 2009 | COD mg/l 2010 | COD mg/l 2011 | COD mg/l 2012 | COD mg/l 2013 | COD mg/l 2014 | COD mg/l 2015 |
|--------------|----------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| 1st QTR 2015 | BS1 | 27 | <1.0 | Dry | Dry | 42 | 13 | Dry | 9 |
| | BS2 | 8 | <1.0 | Dry | Dry | 41 | 17 | Dry | 7 |
| 2nd QTR 2015 | BS1 | 1 | >1 | Dry | Dry | 5 | 45 | 10 | 27 |
| | BS2 | 1 | >1 | Dry | Dry | <1 | 46 | 7 | 31 |
| 3rd QTR 2015 | BS1 | 22.5 | >1 | 11 | 2 | Dry | 9 | 9 | 16 |
| | BS2 | 21.5 | >1 | 17 | 3 | Dry | 13 | 8 | 6 |
| 4th QTR 2015 | BS1 | 7 | 28 | <1 | <1 | 5 | 9 | 18 | <3 |
| | BS2 | 1 | 29 | <1 | 3 | 12 | 13 | <1 | <3 |

4. Management of the Activity

4.1 Correction Action Procedures

A copy of the correction action procedure for this site is included as Attachment No 3. There were no non compliances issued in respect of this facility during this period.

4.2 Awareness and Training Programme

A copy of the awareness and training procedure for this site is included in Attachment 3.

4.3 Responsibilities

The organizational chart for the environmental management of the site is included in Attachment 4.

The process of transferring the license is under review and the application process to transfer the license from the deceased Mr. Maurice O'Brien to his wife Mrs. Mairead O'Brien and son Mr. Philip O'Brien will be completed. A joint application to the Environmental Protection Agency as per section 94 of the Environmental Protection Agency Act 1992 as amended section 47 of the waste Management Act 1996 will be adhered to. Discussions with the Environmental Protection Agency have taken place to ensure the transfer is completed in a professional manner.

4.4 Communications

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

4.6 Notification Procedures

A copy of notification procedures for this site is included in Attachment 3.

5. Tanks and Pipeline Testing and Inspection Report

A tank pipeline inspection report was submitted to the Agency on the 3rd March 2010. The inspection of all storage tanks on site was possible due to the de-stock and re-stock programme undertaken on site in 2009.

Signed:

Bo Jubb

Date:

30th March 2016

Attachment No. 1

Surface Water Discharge Monitoring

| Storm Water Inspection 2015 | | | | | | | | | |
|------------------------------|-----------|---------|-------|-------|--------|-----------|-------|-------|---------|
| MONITORING POINT 001 and 002 | | | | | WEEKLY | | | | |
| DATE | BS1 | COMMENT | Clear | Clear | DATE | BS2 | Clear | Clear | COMMENT |
| 05-Jan | Fast Flow | OK | Yes | Yes | 05-Jan | Fast Flow | Yes | Yes | OK |
| 12-Jan | No Flow | OK | Yes | Yes | 12-Jan | No Flow | Yes | Yes | OK |
| 19-Jan | Flow | OK | Yes | Yes | 19-Jan | Flow | Yes | Yes | OK |
| 26-Jan | Flow | OK | Yes | Yes | 26-Jan | Flow | Yes | Yes | OK |
| 02-Feb | No Flow | OK | Yes | Yes | 02-Feb | No Flow | Yes | Yes | OK |
| 09-Feb | No Flow | OK | Yes | Yes | 09-Feb | No Flow | Yes | Yes | OK |
| 17-Feb | Flow | OK | Yes | Yes | 17-Feb | Flow | Yes | Yes | OK |
| 24-Feb | Flow | OK | Yes | Yes | 24-Feb | Flow | Yes | Yes | OK |
| 03-Mar | Flow | OK | Yes | Yes | 03-Mar | Flow | Yes | Yes | OK |
| 09-Mar | Flow | OK | Yes | Yes | 09-Mar | Flow | Yes | Yes | OK |
| 16-Mar | No Flow | OK | Yes | Yes | 16-Mar | No Flow | Yes | Yes | OK |
| 23-Mar | No Flow | OK | Yes | Yes | 23-Mar | No Flow | Yes | Yes | OK |
| 30-Mar | Flow | OK | Yes | Yes | 30-Mar | Flow | Yes | Yes | OK |
| 07-Apr | No Flow | OK | Yes | Yes | 07-Apr | No Flow | Yes | Yes | OK |
| 14-Apr | Flow | OK | Yes | Yes | 14-Apr | Fast Flow | Yes | Yes | OK |
| 21-Apr | Flow | OK | Yes | Yes | 21-Apr | Fast Flow | Yes | Yes | OK |
| 28-Apr | Flow | OK | Yes | Yes | 28-Apr | Flow | Yes | Yes | OK |
| 05-May | Flow | OK | Yes | Yes | 05-May | Flow | Yes | Yes | OK |
| 12-May | Flow | OK | Yes | Yes | 12-May | Flow | Yes | Yes | OK |
| 19-May | Flow | OK | Yes | Yes | 19-May | Flow | Yes | Yes | OK |
| 26-May | No Flow | OK | Yes | Yes | 26-May | No Flow | Yes | Yes | OK |
| 02-Jun | Flow | OK | Yes | Yes | 02-Jun | Flow | Yes | Yes | OK |
| 09-Jun | No Flow | OK | Yes | Yes | 09-Jun | No Flow | Yes | Yes | OK |
| 16-Jun | No Flow | OK | Yes | Yes | 16-Jun | No Flow | Yes | Yes | OK |
| 23-Jun | No Flow | OK | Yes | Yes | 23-Jun | No Flow | Yes | Yes | OK |
| 30-Jun | No Flow | OK | Yes | Yes | 30-Jun | No Flow | Yes | Yes | OK |
| 07-Jul | No Flow | OK | Yes | Yes | 07-Jul | No Flow | Yes | Yes | OK |
| 14-Jul | Flow | OK | Yes | Yes | 14-Jul | Flow | Yes | Yes | OK |
| 21-Jul | Flow | OK | Yes | Yes | 21-Jul | Flow | Yes | Yes | OK |
| 28-Jul | Flow | OK | Yes | Yes | 28-Jul | Flow | Yes | Yes | OK |
| 04-Aug | Flow | OK | Yes | Yes | 04-Aug | Flow | Yes | Yes | OK |
| 11-Aug | No Flow | OK | Yes | Yes | 11-Aug | No Flow | Yes | Yes | OK |
| 18-Aug | No Flow | OK | Yes | Yes | 18-Aug | No Flow | Yes | Yes | OK |
| 24-Aug | Flow | OK | Yes | Yes | 24-Aug | Flow | Yes | Yes | OK |
| 31-Aug | No Flow | OK | Yes | Yes | 31-Aug | No Flow | Yes | Yes | OK |
| 07-Sep | No Flow | OK | Yes | Yes | 07-Sep | No Flow | Yes | Yes | OK |
| 14-Sep | No Flow | OK | Yes | Yes | 14-Sep | No Flow | Yes | Yes | OK |
| 21-Sep | Fast Flow | OK | Yes | Yes | 21-Sep | Fast Flow | Yes | Yes | OK |
| 28-Sep | Flow | OK | Yes | Yes | 28-Sep | Flow | Yes | Yes | OK |
| 05-Oct | No Flow | OK | Yes | Yes | 05-Oct | Fast Flow | Yes | Yes | OK |
| 12-Oct | No Flow | OK | Yes | Yes | 12-Oct | No Flow | Yes | Yes | OK |
| 20-Oct | No Flow | OK | Yes | Yes | 20-Oct | No Flow | Yes | Yes | OK |
| 28-Oct | Fast Flow | OK | Yes | Yes | 28-Oct | Fast Flow | Yes | Yes | OK |
| 05-Nov | No Flow | OK | Yes | Yes | 05-Nov | No Flow | Yes | Yes | OK |
| 12-Nov | Fast Flow | OK | Yes | Yes | 12-Nov | Fast Flow | Yes | Yes | OK |
| 19-Nov | Fast Flow | OK | Yes | Yes | 19-Nov | Fast Flow | Yes | Yes | OK |
| 26-Nov | No Flow | OK | Yes | Yes | 26-Nov | No Flow | Yes | Yes | OK |
| 03-Dec | Fast Flow | OK | Yes | Yes | 03-Dec | Fast Flow | Yes | Yes | OK |
| 10-Dec | Fast Flow | OK | Yes | Yes | 10-Dec | Fast Flow | Yes | Yes | OK |
| 17-Dec | Fast Flow | OK | Yes | Yes | 17-Dec | Fast Flow | Yes | Yes | OK |
| 24-Dec | Fast Flow | OK | Yes | Yes | 24-Dec | Fast Flow | Yes | Yes | OK |

Attachment No. 2

Waste Management Records - Carcasses

| | |
|---------------------------|--|
| IPC LICENSE REG NO | PO0396-01 |
| LICENSEE | Maurice O'Brien |
| LOCATION | Derrynsnoel, Mitchelstown, Co. Cork |

WASTE MANAGEMENT REGISTER 2015

WASTE: ANIMAL CARCASSES (Code No 02 01 02)

CONTRACTOR: WM Fitzgeralds Knackery LTD Kilmagner, Fermoy Co Cork

DESTINATION: Waterford Proteins, Christendom, Ferrybank, Waterford

| DATE | VOLUME (Tonne) | COLLECTED BY |
|--------|-------------------|------------------|
| 05-Jan | 2.98 | John Dawson |
| 12-Jan | 3.14 | John Dawson |
| 19-Jan | 2.4 | John Dawson |
| 26-Jan | 2.48 | John Dawson |
| 02-Feb | 2.2 | John Dawson |
| 09-Feb | 3.08 | John Dawson |
| 16-Feb | 3.14 | John Dawson |
| 23-Feb | 2.9 | John Dawson |
| 02-Mar | 3.29 | John Dawson |
| 09-Mar | 2.38 | John Dawson |
| 16-Mar | 3.42 | John Dawson |
| 23-Mar | 2.48 | John Dawson |
| 30-Mar | 2.28 | John Dawson |
| 07-Apr | 3.12 | John Dawson |
| 13-Apr | 2.74 | John Dawson |
| 20-Apr | 1.76 | John Dawson |
| 27-Apr | 2.44 | John Dawson |
| 05-May | 2.32 | John Dawson |
| 11-May | 2.52 | John Dawson |
| 18-May | 2.62 | Sarunas |
| 25-May | 2.7 | John Dawson |
| 02-Jun | 2.99 | John Dawson |
| 08-Jun | 2.7 | John Dawson |
| 15-Jun | 2.92 | Sarunas |
| 20-Jun | 3.38 | Sarunas |
| 23-Jun | 1.28 | Sarunas |
| 29-Jun | 3.34 | Sarunas |
| 08-Jul | 2.29 | John Dawson |
| 13-Jul | 1.7 | John Dawson |
| 20-Jul | 2.04 | John Dawson |
| 04-Aug | 2.9 | John Dawson |
| 10-Aug | 2.48 | John Dawson |
| 17-Aug | 1.84 | John Dawson |
| 24-Aug | 2.86 | John Dawson |
| 31-Aug | 2.44 | John Dawson |
| 07-Sep | 1.68 | John Dawson |
| 15-Sep | 3.56 | Sarunas Kukenyys |
| 23-Sep | 2.35 | James McNamara |
| 30-Sep | 1.9 | Sarunas Kukenyys |
| 09-Oct | 4.68 | Tom Finn |
| 12-Oct | 0.7 | James McNamara |
| 14-Oct | 1.02 | James McNamara |
| 19-Oct | 1.38 | James McNamara |
| 29-Oct | 3.48 | Sarunas Kukenyys |
| 03-Nov | 2.7 | Sarunas Kukenyys |
| 09-Nov | 5.51 | Sarunas Kukenyys |
| 16-Nov | 3.3 | John Dawson |
| 23-Nov | 4.28 | Sarunas Kukenyys |
| 30-Nov | 3.64 | John Dawson |
| 07-Dec | 4.52 | John Dawson |
| 14-Dec | 4.18 | John Dawson |
| 17-Dec | 2.25 | James McNamara |
| 21-Dec | 3.2 | John Dawson |
| 29-Dec | 5.16 | John Dawson |
| | 151.04 | |

Waste Management Records - Veterinary

| | |
|---------------------------|---|
| IPC LICENSE REG NO | PO8396-01 |
| LICENSEE | Maurice O'Brien |
| Location | Derrynaool, Mitchelstown, Co. Cork |

| WASTE MANAGEMENT REGISTER 2015 | | |
|--|------------------|-----------------|
| WASTE: VETERINARY WASTE (Code No 18 02 01) | | |
| CONTRACTOR: HEALTHCARE INITIAL | | |
| DESTINATION: STERILE TECHNOLOGIES IRL, 430 Beech Road, Western Ind Est, Dublin 12 | | |
| DATE | VOLUME | COLLECTED BY |
| 03-Jun | 4x 10 Litre | Una O' Brien |
| 09-Dec | 3 x 10 Litre | Sarunas Kukenys |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| Total | 70 Litres | |

Attachment No. 3

Environmental Operating Procedures

Environmental Operating Procedures – Corrective Action Procedure

IPC LICENCE REG No P0396-01

LICENSEE: MAURICE O BRIEN

LOCATION: DERRYNANOL, MITCHELSTOWN, CO CORK

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Corrective Action Procedure

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In the event of a reported non-conformity, responsibility and authority for initiating further investigation and corrective action shall follow the following steps:

- **Determine the reasons why the specified requirements were not met**
- **Draw up a plan of action to correct non-conformity with the specified requirements.**
- **Implement preventive actions to a level corresponding to the risk encountered**
- **Apply control measures to ensure that corrective actions are taken and that they are effective**
- **Implement and record any changes in procedures resulting from corrective actions**
- **Provide appropriate training or retraining as may be necessary.**

Environmental Operating Procedures - Emergency Incidents

Report on Emergency Incidents

- As part of IPC License register number P0396-01 there is a requirement to inform the agency of the following:

- Incidents that may affect the normal operation of the activity and which may create an environmental risk.

- Emergency situations that develop on site.

- Malfunction of any continuous monitors.

- Any malfunction or breakdown of control equipment or monitoring equipment.

- Any release to atmosphere or emission that does not comply with the requirement of the license.

Date of Incident: _____

Time of Incident: _____

IPC Register Number: _____

Location: _____

Licensee: _____

Description of Incident:

Description of Action Taken:

Authorities Contacted:

Signed: _____

**O'Brien Pig Enterprises,
Derrynanool, Mitchelstown, Co Cork**

Environmental Operating Procedures – Emergency Response

IPC License Reg No.: P0396-01
Phone: 025 84990 Fax 025 84111

Emergency Response Procedure

In the event of any emergency situation developing on site, which may create, and environmental risk, make contact and notify the following:

Environmental Protection Agency

Phone: 021-4875540 Fax 021-4875545
Outside of Office Hours Phone 1890335599

Cork County Council

Phone: 022-21123 Fax: 022-21983

Southern Regional Fisheries Board

Phone 052-23624 Fax 052-80055

If Excavating Machinery is required:

Thomas Finn Phone: 086-3400369

If Slurry Tankers are required:

Thomas Finn: 086-3400369
Philip O'Brien: 086-8237676

If Structural Damage has occurred

Thomas Finn: 086-3400369
Philip O'Brien: 086-8237676

Ventilation System

Thomas Finn: 086-3400369
IDS Noel Cooney: 0502-21224

Fire Brigade: 999

Garda: 025-84823

Environmental Operating Procedures – Public Information Programme Public Information Programme

Condition No 2.4.1, Of IPC License Reg NoP0396-01 states that “the licensee shall put in place a programme to ensure that members of the public can obtain information concerning the environmental performance of the license at all reasonable times”.

Mairead O’Brien and Philip O’Brien are 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 025-84990.

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 Environmental Protection Agency prior to the issue of the License.
3. All correspondence with, and reports sent to the agency, since the License was issued.
4. Pig manure register.
5. Pig manure storage capacity information.
6. Complaints register.
7. All relevant waste registers maintained on file.

Note: All Site visitors must sign the “Visitors Register”

Environmental Operating Procedures – Training Procedure

IPC LICENCE REG No.: P0396-01

LICENSEE: MAURICE O BRIEN

LOCATION: DERRYNANOL, MITCHELSTOWN, CO CORK

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Environmental Training Procedure

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- 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. A copy of the code of practice for land spreading of organic manure is being kept on equipment.

Attachment No. 4

Organisational Chart

Maurice O'Brien
Derrynanool
Mitchelstown, Co. Cork

