



DAWN PORK AND BACON

Annual Environmental Report 2015

Licence Registration No. PO 175-02

Issued By: Sinead Moroney
Environmental Technician

Date: 4th April 2016

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1.0

Introduction

This is the 16th Annual Environmental Report (AER) which covers the environmental performance at Queally Pig Slaughtering Ltd.

1.1

Site Details

Licence Register Number	PO 175-02
Name of Site	Queally Pig Slaughtering T/A Dawn Pork and Bacon
Class of Activity	7.4.1 Operation of a slaughterhouse with a carcass production greater than 50 tonnes per day
RBME risk category	B3
National Grid Reference (6E, 6N)	656853, 614430
Site Location	The facility at Grannagh is located on a site of approximately 30 acres on the main Waterford to Limerick road, approximately 4 miles outside Waterford City. The River Suir is located to the east of the plant and runs into Waterford Harbour.

1.2

Summary of Data

The licence annual reporting requires the submission of a completed pollution release and waste transfer (PRTR) workbook. This relates to the amount of pollutant released to the air, water, wastewater or sewers and the transfer of waste offsite.

This data was submitted electronically to the EPA. It is also under appendix 2 on this report.

1.3

Company Profile

Dawn Pork and Bacon has its origins with the Queally Group. Part of the group's original activities included the production of live pigs and in 1986 it was decided by the group to introduce a natural flow to the group's activities by slaughtering and processing its own pigs, therefore maximising the group's potential.

A new purpose built factory was constructed at Grannagh close to Waterford city. This facility would eventually house what is now Dawn Pork and Bacon. The factory is comprised of 10,125 square metres containing one of the most modern and technically efficient pork processing plants in Europe.

Dawn Pork and Bacon has evolved and progressed its activities at a rapid pace since its inception in 1986. It has established its factory, trained its staff, produced and marketed a quality product while remaining a profitable enterprise throughout this time. In 1995 a new de-boning, packing and storage facility adjacent to the existing premises was introduced. This expansion along with alterations to some of the existing facilities allowed the company to increase its slaughtering, deboning and trimming throughout.

The factory has a current slaughter capacity of 10,000 pigs over a 39 hour working shift and the capacity of fully deboning 9,000 pigs over the same shift. The factory has close links with the group's farming enterprises, which currently provide the factory with 2,000 pigs per week.

The current workforce including management, administration, maintenance and production staff is 295 people. Markets being served by Dawn Pork and Bacon include mainland Europe, Japan, Korea, USA, Australia and the Irish domestic market.

The operation consists of slaughtering, primal cutting, de-boning, trimming, curing, packing and freezing. The plant is both EU and USDA approved.

Dawn Pork and Bacon recognise that in order to preserve natural resources for generations to come, the food industry needs to ensure that sustainable practises are implemented. This began a few years ago and the company is committed to continuing these efforts under the Bord Bia Origin Green programme. This provides the essential framework to gather the company's sustainability efforts.

As Dawn Pork and Bacon is a major processor of pig meat in Ireland, we aim to conduct our business in both a responsible and sustainable manner. This involves certain approaches to business activities including close liaison with customers, suppliers, regulatory authorities, employees and other relevant stakeholders.

As a family run business, Dawn Pork and Bacon believes in providing a safe and positive environment for the workers. We also aim to contribute to the local community.

The Origin Green Team and Management at Dawn Pork and Bacon have developed a sustainability plan which has 3 main strategic challenges:

- Sourcing of raw materials: Maintain 100% sourcing of Bord Bia Quality Assured pigs.
- Manufacturing Process: This area targets energy, organic waste, water, waste water and emissions. Reduction targets have been put in place per tonne of carcass processed.
- Development of ISO14001.
- Social Sustainability: Community related such as job sustainability and sponsorship, career development of present employees and employee health and wellbeing.

2.0 Environmental Management System

2.1

Environmental Management System Documentation

Document	Present	Comment
Onsite EMS	Yes	<ul style="list-style-type: none">• Includes environmental manual, operating manual for the laboratory and effluent plant, system procedures and records.• Available for site inspections
Environmental aspects and associated impacts	Yes	Available for site inspections
Public viewing of records	Yes	Available for site inspections
Sustainability, environmental and energy policy	Yes	Available for site inspections
Objectives and targets	Yes	Summary of 2016 Environmental Objectives and Targets included in this annual environmental report
Daily/ Weekly/ Monthly Monitoring Results	Yes	Available for site inspections
External lab report for 2015 ground water monitoring	Yes	Available for site inspections
Waste Records	Yes	Available for site inspections
Training Records	Yes	Available for site inspections
Organisational Chart	Yes	Available for site inspections
Bund and pipeline integrity report 2012	Yes	Available for site inspections
2015 Boiler Efficiency Report	Yes	Available for site inspections
Noise Survey 2014	Yes	Available for site inspections
Impact on Shellfish Study	Yes	Available for site inspections

The following is a report on the progress achieved in the objectives and targets which were set for 2015.

- **EMP 01:** Ensure underground pipelines are intact. Assessment carried out every 3 years. Last completed in 2012.
Status: This project was cancelled until April 2016 due to unavailability of dates.
- **EMP 02:** Bund integrity testing. Assessment carried out every 3 years. Last completed in 2012.
Status: This project was cancelled until April 2016 due to unavailability of dates.
- **EMP 03:** Reduce hydraulic loading to the effluent plant. Analyse all waste streams to establish where improvements can be made.
Status: Ongoing
- **EMP 04:** Reduction in biological loading to the effluent plant. Analyse all waste streams to establish where improvements can be made.
Status: Ongoing
- **EMP 05:** Monthly/ Quarterly surface water monitoring to ensure there is no onsite contamination to ground water.
Status: Completed.
- **EMP 06:** Waste contractors and transport companies- review of licences.
Status: Completed.
- **EMP 07:** Complete groundwater analysis to ensure there is no onsite contamination to groundwater.
Status: Completed.
- **EMP 08:** Equipment calibration to ensure all WWTP probes are accurate.
Status: Completed.
- **EMP 09:** Preparation of PRTR data and submission to the EPA.
Status: Completed.
- **EMP 10:** Over ground pipelines – monthly inspection programme of flanges and valves on over ground pipelines.
Status: Completed.
- **EMP 11:** Improve operational controls of the biofilter in the waste water treatment plant and maximise efficiency and improve odours onsite.
Status: Ongoing.
- **EMP 12:** Boiler efficiency testing to insure optimum efficiency of boilers and eliminating contaminated air emissions.
Status: Completed.
- **EMP 13:** Reduce the organic waste produced in the WWTP by improving the belt press operation.
Status: Ongoing.
- **EMP 14:** Continue to reduce the water usage onsite.
Status: Ongoing.
- **EMP 15:** Implement ISO14001.
Status: Agreed audit date for 2016.

2.3

The following objectives and targets have been set for 2016.

EMP	Target	Completion Date	Responsibility	Indicator
EMP 01	Ensure underground pipelines are intact. An assessment is carried out every 3 years. Due to unavailability of dates in 2015, this will be done in April 2016.	2016	Contractor	Contractor Report
EMP 02	Bund integrity testing. An assessment is carried out every 3 years. Due to unavailability of dates in 2015, this will be done in April 2016.	2016	Contractor	Contractor Report
EMP 03	Reduce the hydraulic loading to the effluent plant in order to make improvements where possible	Ongoing	Environmental Manager	Report
EMP 04	Reduce the biological loading to the effluent plant, analysis of waste streams to find out where improvements can be made	Ongoing	Environmental Manager	Report
EMP 05	Monthly/ quarterly surface water monitoring to ensure there is no onsite contamination	Ongoing	Environmental Technician	Report
EMP 06	Waste contractors and transport companies- review of licences	Annually	Environmental Technician	Report
EMP 07	Complete groundwater analysis to ensure there is no onsite contamination to ground water	Annually	Environmental Technician	Report
EMP 08	Equipment calibration to ensure all WWTP probes are accurate	February 2016	Contractor	Contractor Report
EMP 09	Preparation of PRTR and submission to the EPA.	March 2016	Environmental Technician	PRTR Report
EMP 10	Over ground pipelines- monthly inspection programme of flanges and valves on over ground pipelines	Ongoing	Environmental Manager	Report
EMP 11	Improve operational controls of the bio filter in the WWTP and maximise efficiency and improve the odours onsite	Ongoing	Environmental Manager	Report

EMP 12	Boiler efficiency testing to ensure optimum efficiency of the boilers onsite and eliminating contaminated air emissions	2016	Contractor	Contractor Report
EMP 13	Reduce the organic waste produced in the WTPP by improving the belt press operation	Ongoing	Maintenance Manager	Report
EMP 14	Continue to reduce the water usage onsite	Ongoing	Maintenance Manager	Report
EMP 15	Continue to reduce the energy usage onsite	Ongoing	Maintenance Manager	Report
EMP 16	Conduct an energy efficiency audit	2016	Contractor	Contractor Report
EMP 17	Conduct a noise survey	2016 Date to be confirmed.	Contractor	Contractor Report
EMP 18	Implement ISO14001	2016	Environmental Manager/ Environmental Technician	System

3.0

Emissions to Water Summary

Environmental monitoring data for January to December 2015 are summarised below. Waste from Dawn Meats and Dawn Pork and Bacon are fed into the waste water treatment plant. Waste from both sites undergoes a screening process and the waste is pumped through the rest of the waste water treatment plant. The treated waste water is then discharged into the River Suir.

3.1 Emission to water (EW1)

Parameter	Licence ELV	ELV Kg/Year	Kg/Year 2013	Kg/Year 2014	Kg/Year 2015
pH	6-9	-	-	-	-
Temperature	25°C	-	-	-	-
COD	100mg/l	65,700	24,431	26,577	29,562
BOD	40mg/l	26,280	2,340	2,872	3,128
Suspended Solids	60mg/l	39,420	4,406	5,101	4,656
Total N (as N)	25mg/l	16,425	3,851	4,736	5,614
Total Ammonia (as N)	10mg/l	6,570	1,073	1,542	1,064
Total Phosphorus (as P)	2mg/l	1,314	266.77	306.19	236.81
Orthophosphate (PO ₄ ³⁻)	1mg/l	657	352.83	246.96	214.31
Detergents	5mg/l	3,285	111.87	163.07	137.08
Fats, oils and grease	15mg/l	9,855	1,940.56	1358.29	2014.02
Total Emissions		169,506	38,773	42,902.51	46,626.22

Note: Although in some cases the kilograms of emissions discharged to the River Suir are higher than in 2014, there is a direct correlation with an increase in kill numbers.

3.2 Emission to surface water (EW3)

Parameter	Unit of Measurement	Monitoring Frequency	2013	2014	2015
pH	Units	Monthly	-	-	-
Conductivity	mS/cm	Continuous	-	-	-
COD	mg/l	Monthly	31.9	26.16	25.83
Suspended Solids	mg/l	Quarterly	17	6.02	1.45
Total Ammonia (as N)	mg/l	Quarterly	0.152	1.77	0.36
Fats, oils and grease	mg/l	Quarterly	<1	11.7	<1
Chloride	mg/l	Quarterly	32.32	12.5	9.31
Visual Inspection	-	Daily	Clear	Clear	Clear

3.3 Groundwater analysis

Parameter	Unit of Measurement	Monitoring Frequency	2013	2014	2015
pH	Units	Annually	7.3	7.7	7.3
TOC	mg/l	Annually	0.99	7.3	1.2
Nitrate	mg/l as N	Annually	7.14	3.7	6.7
Conductivity	uS/cm	Annually	1307	149	1279
Phosphorus	mg/l P	Annually	<0.1	0.47	<0.1
Total Nitrogen	mg/l N	Annually	7.6	3.8	9.9
Orthophosphate	mg/l P	Annually	<0.02	<0.05	<0.02

4.0 Waste Management

Disposal of hazardous and non-hazardous waste is recorded in accordance with the conditions of the licence.

4.1 Waste removed off site for recovery

Waste Category	EWC	Tonnage per year 2013	Tonnage per year 2014	Tonnage per year 2015
Organic Waste from WWTP	020204	5,572.039	6,366.46	5,489.12
ABP- Blood	020202	1,858.76	1,983.18	2,336
ABP- CAT 2	020202	485.80	615.68	562.80
ABP- Pet food	020202	571.72	596.18	611.85
ABP- Offal	020202	4,375.02	4,491.9	5,254.44
Packaging and Landfill waste	200101	128.28	134.16	132.48
Lamps	200121	0.17	0.219	-
Oil	110113	0.7	1.1	1.9
Paper	200101	1.85	-	2.78
Total waste recovered/ recycled		12,994	14,188.87	14,391.37

Note: Although in some cases the tonnage of waste removed offsite are higher than in 2014, there is a direct correlation with an increase in kill numbers.

There was no lamps removed from the site during 2015. Lamps onsite are currently been replaced so there will be a large collection in 2016.

4.2 Waste removed off site for disposal

Waste Category	EWC	Tonnage per year 2013	Tonnage per year 2014	Tonnage per year 2015
Lab Waste	160506	-	0.150	0.082
Blades and Knives	180202	0.1365	0.285	0.114
Total waste disposed		0.1365	0.435	0.196

5.0 Resource and Energy Management

Data related to energy consumption (electricity, gas and oil) and water are summarised below.

Monitoring Parameter	Unit of Measurement	2011	2012	2013	2014	2015
Electricity	Watts	5,103,360	5,237,200	5,226,720	5,176,020	5,536,300
Water	Gallons	45,418,210	39,982,849	35,803,470	37,434,256	39,812,650
Gas	M3	245,734	265,545	210,110	214,097	241,987
Oil	Litres	193,799	29,035	14,236	8,260	11,044

Note: Although in all cases the energy usage was higher in 2015 than 2014, there is a direct correlation with an increase in kill numbers.

As part of our Origin Green plan we have set a target to reduce our energy consumption by 50% per tonne of carcass processed by 2019. The baseline year set is 2009.

We have already implemented a number of initiatives in order to meet our target.

In 2016 we have a number of ways in which we intend to further reduce our energy usage onsite.

These include:

- Implementing recommendations which will be highlighted in our energy audit
- Reviewing all areas for installation of motion and daylight sensor controls
- An investment to upgrade the main transformer incorporating a voltage optimization system which should result in an estimated energy reduction of approximately 7%
- Installing LED lighting in all storage and non-production areas

6.0 Water Conservation Report

The table below outlines the number of gallons of cold and hot water per pig processed at Dawn Pork and Bacon from 2010 to 2015.

Also noted are the % reductions in water from 2010 to 2015.

6.1 Reduction in water per pig processed at Dawn Pork and Bacon

Water Source	2010 Gallons used per pig processed	2011 Gallons used per pig processed	2012 Gallons used per pig processed	2013 Gallons used per pig processed	2014 Gallons used per pig processed	2015 Gallons used per pig processed	Overall reduction 2010-2015
Cold Water	121.42	92.81	78.11	80.07	79.31	76.14	37.29%
Hot Water	29.53	19.76	13.30	13.83	12.96	12.58	57.3%

The following measures were implemented at the facility which facilitated a reduction in water usage:

- In 2011, the use of sub metering on hot and cold water was introduced at Dawn Pork and Bacon which allowed for the monitoring and targeting of cold and hot water usage per pig processed in certain areas in the factory. This data is recorded on a central database.
- In 2012 the steriliser system was upgraded, to switch from continuously heated water at 82 degrees to water heated when required and has stopped a huge waste of water at this high temperature.
- Recycling water from the vac pac machine into the 40 degree water tanks.
- Closer management of the cleaning operation
- Installation of more efficient valves and nozzles
- Training of employees at induction and refresher training to report any water leaks that they notice to their supervisor.

We have set out an aim in our Origin Green plan that we intend to reduce water consumption by 40% per tonne of carcass processed by 2019. The baseline year set is 2009.

We have already put a number of initiatives in place in order to reduce our water consumption which is reflected in the figures outlined in the table above.

In 2016 we plan to continue to reduce our water consumption onsite through the following initiatives:

- Automation of manual valves
- Trailing different jets for washing purposes
- Carrying out a water usage audit for sanitation purposes
- Commence using a new double belt press in the effluent plant which will reduce water usage
- Install line restrictors
- Review new technology annually to reduce water usage in order to achieve the target

APPENDIX 1
Boiler Efficiency 2015 Report Summary

Hi-Line Energy Solutions Ltd

P2097

Croughtabeg, Windgap, Callan, Co. Kilkenny.

Tel: 051 641118 Fax: 051 641122 087 2280083 Email hilineenergy@eircom.net

Service Record / Commissioning / Fault Report

Client	Dawn Pork & Bacon
Address	Grannagh Co. Kilkenny
Service	X

Contact Name	Alan Wall
Tel No.	
Purchase Order No.	37500
Date	5th April 2015

Commissioning	Call Out
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Burner Make:	Riello
Model:	G10
Serial No.	
Spec No.	
Fuel	MGO
Output Kw	

Boiler Make:	Buderus	No.
Model:		
Serial No.		
Input Kw		Output Kw

Isolate power supply to appliance

Flue Analysis

	Checked	N/A
Clean burner head	X	
Check spark probe	X	
Check flame probe		
Check photo/UV cell	X	
Check/Change nozzles	X	
Clean fan		
Clean burner body	X	
Clean sight glass	X	
Clean boiler	X	
Check for oil leaks	X	
Check for gas leaks		
Check air pressure sw		
Check gas pressure sw		
Check for water leaks.		
Check seals		
Check flues	X	
Test fire burner	X	
Check/Reset combustion	X	

	High	Low
O2 %	4.9	
CO ppm	20	
CO2%	11.9	
Ratio.	0.0002	
Temp Net		
Temp Flue	122	
Net efficiency %	95.5	
Excess air %	30.9	

Gas inlet pressure Mb		
running		
Burner pressure Mb	12	
Smoke No.	0	
Nozzle Size/Degrees	1.65/60	
Check Gas Detection		

Parts used:

Remarks:
Serviced Oil Burner/Boiler

Time Sheet

Date	Travelling Time	Arrive	Depart	Total	Office Use
05/05/2015	Hrs			Hrs	
	Hrs			Hrs	
	Hrs			Hrs	

Engineer Signature: Paul Garvey Client Signature: _____

Subject to terms and conditions. Copies may be inspected at our office. All queries must be made within 5 days.

Hi-Line Energy Solutions Ltd

P2080

Croughtabeg, Windgap, Callan, Co. Kilkenny.

Tel: 051 641118 Fax: 051 641122 087 2280083 Email hilineenergy@eircom.net

Service Record / Commissioning / Fault Report

Client	Dawn Pork & Bacon
Address	Grannagh Co. Kilkenny

Contact Name	Alan Wall	
Tel No.		
Purchase Order No.	37500	
Date	5th April	2015

Service	X	Commissioning		Call Out	
---------	---	---------------	--	----------	--

Burner Make:	Riello	
Model:	RS100	
Serial No.		
Spec No.		
Fuel	Nat Gas	Output Kw

Boiler Make:	Buderus	No.
Model:	Logano SK 735	
Serial No.		
Input Kw	Output Kw	

Isolate power supply to appliance

	Checked	N/A
Clean burner head	X	
Check spark probe	X	
Check flame probe	X	
Check photo/UV cell		
Check/Change nozzles		
Clean fan		
Clean burner body	X	
Clean sight glass	X	
Clean boiler	X	
Check for oil leaks		
Check for gas leaks	X	
Check air pressure sw	X	
Check gas pressure sw	X	
Check for water leaks		
Check seals		
Check flues	X	
Test fire burner	X	
Check/Reset combustion	X	

Flue Analysis

	High	Low
O2 %	5.2	5.3
CO ppm	3	1
CO2%	8.9	8.9
Ratio	0.0000	0.0000
Temp Net		
Temp Flue	179	144
Net efficiency %	93.01	94.5
Excess air %	33.1	33.9

Gas inlet pressure Mb		
running		
Burner pressure Mb	12	5
Smoke No.		
Nozzle Size/Degrees		
Check Gas Detection		

Parts used:

Remarks:

Serviced gas Burner/Boiler
 Replaced the H/T lead to Spark Probe.
 Sealed Cracks in Fire brick on inside door of boiler.

Time Sheet

Date	Travelling Time	Arrive	Depart	Total	Office Use
	Hrs			Hrs	
05/05/2015	Hrs			Hrs	
	Hrs			Hrs	

Engineer Signature: Paul Garvey Client Signature: _____

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Hi-Line Energy Solutions Ltd

P2090

Croughtabeg, Windgap, Callan, Co. Kilkenny.

Tel: 051 641118 Fax: 051 641122 087 228083 Email hilineenergy@eircom.net

Service Record / Commissioning / Fault Report

Client	Dawn Pork & Bacon	
Address	Grannagh	Co. Kilkenny
Service	X	Commissioning

Contact Name	Alan Wall	
Tel No.		
Purchase Order No.	37500	
Date	5th April	2015

Burner Make:	Riello	
Model:	RS190	
Serial No.		
Spec No.		
Fuel	Nat Gas	Output Kw

Boiler Make:	Buderus	No.
Model:	Logano SK 735	
Serial No.		
Input Kw	Output Kw	

Isolate power supply to appliance

Flue Analysis

	Checked	N/A
Clean burner head	x	
Check spark probe	x	
Check flame probe	x	
Check photo/UV cell		
Check/Change nozzles		
Clean fan		
Clean burner body	x	
Clean sight glass	x	
Clean boiler	x	
Check for oil leaks		
Check for gas leaks	x	
Check air pressure sw	x	
Check gas pressure sw	x	
Check for water leaks		
Check seals		
Check flues	x	
Test fire burner	x	
Check/Reset combustion	x	

	High	Low
O2 %	5.5	4.9
CO ppm	2	28
CO2%	8.8	9.1
Ratio	0.0000	0.0003
Temp Net		
Temp Flue	142	116
Net efficiency %	94.3	95.8
Excess air %	35.9	30.5

Gas inlet pressure Mb	100	
running		
Burner pressure Mb	10.5	3.5
Smoke No.		
Nozzle Size/Degrees		
Check Gas Detection		

Parts used:	
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Remarks:	Serviced Gas Boiler/Burner
	Changed gasket on pipeunder butterfly valve on burner.
	Part of linkage between butterfly valve and shaft on servo motor had come loose.
	Retightened.

Time Sheet

Date	Travelling Time	Arrive	Depart	Total	Office Use
	Hrs			Hrs	
05/05/2015	Hrs			Hrs	
	Hrs			Hrs	

Engineer Signature: Paul Garvey Client Signature: _____

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APPENDIX 2
PRTR Data 2015



Environmental Protection Agency

| PRTR# : P0175 | Facility Name : Queally Pig Slaughtering Limited | Filename : Copy of P0175_2015.xls | Return Year : 2015 |

[Guidance to completing the PRTR workbook](#)

PRTR Returns Workbook

Version 1.1.19

REFERENCE YEAR	2015
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1. FACILITY IDENTIFICATION

Parent Company Name	Queally Pig Slaughtering Limited
Facility Name	Queally Pig Slaughtering Limited
PRTR Identification Number	P0175
Licence Number	P0175-02

Classes of Activity

No.	class_name
-	Refer to PRTR class activities below

Address 1	Grannagh
Address 2	Kilkenny
Address 3	
Address 4	
	Kilkenny
Country	Ireland
Coordinates of Location	-7.16672 52.2776
River Basin District	IESE
NACE Code	1011
Main Economic Activity	Processing and preserving of meat
AER Returns Contact Name	Sinead Moroney
AER Returns Contact Email Address	smoroney@dawnpork.com
AER Returns Contact Position	Environmental Technician
AER Returns Contact Telephone Number	051-870210
AER Returns Contact Mobile Phone Number	
AER Returns Contact Fax Number	
Production Volume	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	295
User Feedback/Comments	
Web Address	

2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
8(a)	Slaughterhouses

3. SOLVENTS REGULATIONS (S.I. No. 543 of 2002)

Is it applicable?	No
Have you been granted an exemption ?	No
If applicable which activity class applies (as per Schedule 2 of the regulations) ?	
Is the reduction scheme compliance route being used ?	

4. WASTE IMPORTED/ACCEPTED ONTO SITE

[Guidance on waste imported/accepted onto site](#)

Do you import/accept waste onto your site for on-site treatment (either recovery or disposal activities) ?	No
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[Link to previous years emissions data](#)

4.2 RELEASES TO WATERS

| PRTR# : P0175 | Facility Name : Queally Pig Slaughtering Limited | Filename : Copy of P0175_2015.xls | Return Year : 2015 |

05/04/2016 16:48

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

M/C/E	Method Code	Method Used Designation or Description	QUANTITY			
			Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
M	CRM	Tell W Tube Method	0.0	0.0	0.0	0.0
M	CRM	Acid Peroxide Digestion Method	5614.0	5614.0	0.0	0.0
			236.81	236.81	0.0	0.0

Please enter all quantities in this section in KGs

SECTION B : REMAINING PRTR POLLUTANTS

M/C/E	Method Code	Method Used Designation or Description	QUANTITY			
			Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
			0.0	0.0	0.0	0.0

Please enter all quantities in this section in KGs

SECTION C : REMAINING POLLUTANT EMISSIONS (as required in your Licence)

M/C/E	Method Code	Method Used Designation or Description	QUANTITY			
			Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
M	CRM	Hach Lange Nessler Method Colometric for waste water analysis	1064.0	1064.0	0.0	0.0
M	CRM	Adopted from standard methods for waste water analysis 5 day test	3128.0	3128.0	0.0	0.0
M	CRM	Reactor Digestion/ colorimetric analysis HACH ANOMIC surfactant as MBAS	29662.0	29662.0	0.0	0.0
M	CRM	Solvent Extraction Method PhosVer3 phosphate	137.08	137.08	0.0	0.0
M	CRM	Method HACH Colometric Method	2014.02	2014.02	0.0	0.0
M	CRM	Method HACH Colometric Method	214.31	214.31	0.0	0.0
M	CRM	Method HACH Colometric Method	4656.0	4656.0	0.0	0.0

Please enter all quantities in this section in KGs

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE | PRTR# : P0175 | Facility Name : Queally Pig Slaughtering Limited | Filename : Copy of P0175_2015.xls | Return Year : 2015

05/04/2016 16:46

Transfer Destination	European Waste Code	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Lic.Waste : Name and Licence/Permit No of Next Destination Facility Lic.Waste : Name and Licence/Permit No of Receiver/Disposer	Haz Waste : Address of Next Destination Facility Non Lic.Waste: Address of Receiver/Disposer	Name and License / Permit No. and Address of Final Receiver / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination (HAZARDOUS WASTE ONLY)
					M/C/E	Method Used					
Within the Country	02 02 02	562.8	Animal tissue waste CAT 2	R3	M	Weighted	Offsite in Ireland	ABP Proteins Waterford,R019	Christendom ,Ferrybank,Waterford,,Ireland		
Within the Country	02 02 02	611.85	Animal Tissue waste Lungs and Liver	R3	M	Weighted	Offsite in Ireland	Premier Petfood, D3	Thurles,,Co. Tipperary,,Ireland		
Within the Country	02 02 02	5254.44	Animal Tissue waste Offal	R3	M	Weighted	Offsite in Ireland	Munstar Proteins,R014	..Cahir,Tipperary,Ireland		
To Other Countries	02 02 02	2336.0	animal-tissue waste blood	R3	M	Weighted	Abroad	APC Technologies,DAFF AB Agrifire Ltd,WCP/M/217(a)/08	Estata,Craigavon,O,Armagh BT66 6LN,United Kingdom		
Within the Country	02 02 04	5489.12	sludges from on-site effluent treatment	R10	M	Weighted	Offsite in Ireland		Tourn,Cappoquin,,Waterford,Ireland		
To Other Countries	11 01 13	1.9	degreasing wastes containing dangerous substances	R13	M	Weighted	Abroad	ENVA Ireland Limited,184-1	Clonminn Industrial Estate,Portlaoise,Co. Laois,R32 XD66,Ireland	ENVA Ireland Limited,184-1 TRV,Theemische Ruckstandaverwertung GmbH & Co. KG,E38232112,Rodenkircher	Clonminn Industrial Estate,Portlaoise,Co. Laois,R32 XD66,Ireland
To Other Countries/ies	18 02 02	0.114	wastes whose collection and disposal is subject to special requirements in order to prevent infection	D15	M	Weighted	Abroad	Sterile Technologies Ireland Limited,W0055-02	Units 420-430 Beech Road ,Western Industrial Estate Neas Road,Dublin 12,Dublin 12,Ireland	Rodenkirchner Stra3e,D50389,Wesseling ..,Germany	Rodenkirchner Stra3e,D50389,Wesseling ..,Germany
Within the Country	20 01 01	132.48	Packaging waste and landfill waste	R5	M	Weighted	Offsite in Ireland	GreenStar Ltd,WCP W0116-02	Six cross roads,Carnatignard,Butlerstown,Waterford,Ireland		
Within the Country	18 05 06	0.062	Laboratory chemicals consisting of or containing dangerous substances including mixtures of laboratory chemicals	D10	M	Weighted	Offsite in Ireland	Veolia ,W0050-2	Corrin,Fermoy,Co. Cork,,Ireland	Veolia ,W0050-2	Corrin,Fermoy,Co. Cork,,Ireland

* Select in row by double-clicking the Description of Waste then click the delete button