

Kildare Chilling Company

Annual Environmental Report 2011

Issued By Michael Maguire
Environmental Officer
Kildare Chilling Company

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1. Introduction

Kildare Chilling Company is a meat processing company involved in the processing of cattle and sheep. This document is the Annual Environmental Report (AER) covering the environmental performance at Kildare Chilling Company for the year 2011. This report updates the AER for 2010 and updates the following headings of the previous AER's.

- Environmental Management programme
- Emissions to sewers
- Resource Consumption
- Organic Waste Register
- Reported Incidents
- Complaints Summary
- Waste Management
- Onsite Surface Water Monitoring
- Groundwater Monitoring

The licence details for Kildare Chilling Company are as follows:

Name: Kildare Chilling Company

Licence Number: P0170-01

Location of Activity: Kildare Town
Co Kildare
Ireland

2. Site Description

Kildare Chilling Company is situated on the outskirts of Kildare Town and is involved in the slaughter and processing of sheep and cattle meat for human consumption. Normal operating hours for these activities are between about 7am and 6pm from Monday to Friday each week. Animals are not slaughtered on weekends but general factory maintenance or cleaning can take place during weekends. Approximately 100,000 – 110,000 cattle and 350,000 – 400,000 sheep are processed annually in the factory. The activity involves a number of separate processes, which are described below:

1 Cattle Processing

- (a) Livestock Intake and Lairage
- (b) Beef Processing
- (c) Red Offal
- (d) Green Offal
- (e) Edible Fat Recovery
- (f) Boning / Packaging
- (g) Storing / Dispatch
- (h) Wash Down

2 Sheep Processing

- (a) Livestock Intake and Lairage
- (b) Sheep Processing
- (c) Red Offal
- (d) Green Offal
- (e) Boning / Packaging
- (f) Storing / Dispatch
- (g) Wash Down

3 On Site Services

- (a) Hot Water / Steam Generation
- (b) Refrigeration
- (c) Process Water Treatment
- (d) Waste Water Treatment
- (e) Air
- (f) Electricity

The environmental performance of the facility is regulated under an IPPC licence, IPPC licence no P0170-01. The main focus of this activity is directed towards producing meat for human consumption, therefore there is a very strong emphasis on hygiene and waste minimisation throughout the process area and the site in general. Relevant staff members are made aware of the need to minimise waste and to ensure that all unavoidable wastes are properly collected, treated and disposed of in an environmentally acceptable manner.

3. Environmental Management

3.1 Kildare Chilling Company Environmental Policy

The Environmental Policy of Kildare chilling Company is as follows:

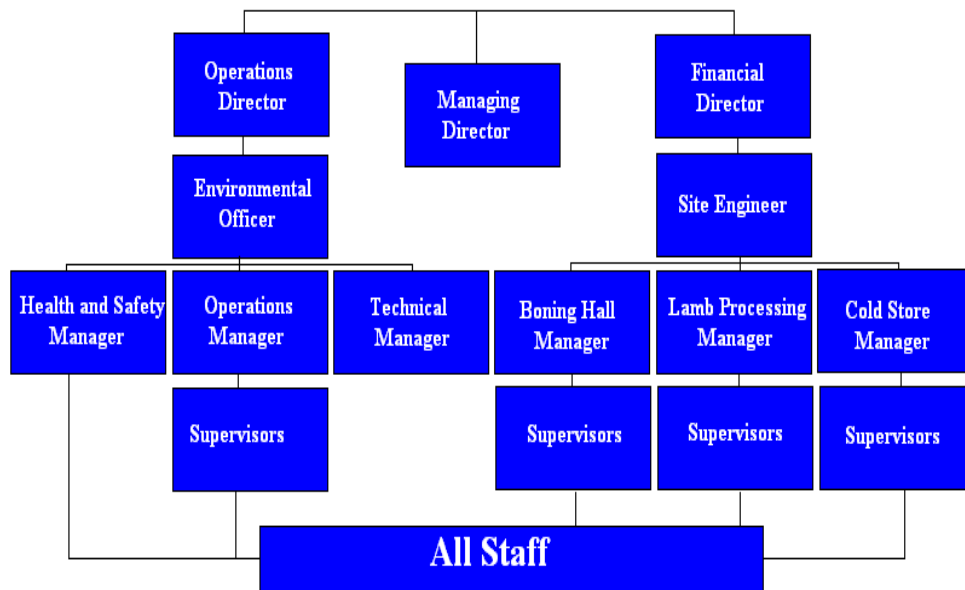
“It is the environmental policy of Kildare Chilling Company to carry out the processing of cattle and sheep products while controlling, operating and maintaining the production operations in a manner which will preserve the environment as far as is practicable and possible. We, the top management of the company propose that we will achieve this mainly by maintaining the companies Environmental Management System. This will assess all operations relating to the company and review all practical options for the use of cleaner technology, cleaner production and the reduction and minimisation of waste for the good of the environment, taking into account the concept of BAT.

In establishing this system we envisage that we will;

- 1. Comply with all legislative, regulatory & IPPC (Integrated Pollution Prevention Control) Licence requirements.*
- 2. Undertake all process and production operations in a manner that will minimise any risk to the environment as far as possible.*
- 3. Seek to conserve our resources through the responsible use of energy & materials.*
- 4. Train & instruct employees to conduct their work in a manner, which will achieve the company’s policy and objectives.*
- 5. Communicate the policy to all interested parties & making it publicly available.*
- 6. Make a commitment to investigating continuous improvements in environmental performance with the emphasis on the aforementioned “*

3.2 Company Organisation for Environmental Management

Environmental management at the site is obtained by the use of an Environmental Management System (EMS). This is obtained by the use of an EMS with the following structure:



3.3 Environmental Management Programme

An Environmental Management Programme (EMP) is set up as part of the EMS. This is a programme of targets and target area to be looked at as part of the EMS of the site. These are also follows:

Table 3.1 Breakdown of EMP targets for 2011

Objective	Target	Means of Achieving Objective	Persons Responsible
1. Update New EMS to take into account new procedures.	Ongoing from March 2011	Update the EMS to take into account new procedures	Environmental Manager
2. Consistently meet emissions to sewer quality to IPPC licence requirements	Continually meet BOD, SS, OFG, orthophosphate and oxidised nitrogen limits through 2011	Continual operation of the WWTP in a satisfactory manner to reduce the load entering the plant and treat it in a satisfactory manner	Environmental Manager Maintenance Manager
3. Substitute where possible materials for more environmental friendly materials	Continue to review processes and materials and aim to recycle as much as possible	Continue to look at processes and activities to examine means of recycling more materials, re-using some materials and reducing landfilling of waste	Purchasing Manager Environmental Manager Production Manager
4. Reduce Water Consumption	Reduce amount of water being consumed in processes in the factory, hence the amount of wastewater generated	Continue to monitor the activities, washing continue to monitor and fix leaks.	Environmental Manager Maintenance Manager
5. Reduce amount going to landfill	Minimise amount of waste going to landfill	Continue to monitor and segregate waste arrivals and examine what can be recycled	Environmental Manager
6. Minimising Energy Consumption	Minimise the energy used in the factory	Continual monitoring, maintenance of hot water, compressed air and refrigeration lines	Environmental Manager Maintenance Manager

		Continue to look for opportunities to reduce energy consumption	
7. Prevent incidents with environmental impacts	Prevent incidents with environmental impacts	Regularly monitor systems with environmental incidents	Environmental Manager
8. Commitment to continual improvement	Improve the environmental performance of the company	Continually assess ways to improve the environmental performance of Kildare Chilling Company	Environmental Manager

The progress on each objective is shown below;

1. Update New EMS to take into account new procedures.

The EMS was updated in July of 2011.

2. Consistently meet emissions to sewer quality to IPPC licence requirements

The WWTP performed well during 2011 with the exception of a few breaches of ELV's. There were a total of five breaches of ELV's for the year in comparison to 27 the previous year.

3. Substitute where possible existing materials for more environmentally friendly materials

This is an on-going process. Kildare Chilling Company is continually examining processes and products to minimise our environmental impact.

4. Reduce water consumption

This is an on-going process within Kildare Chilling Company and the maintenance team are continually monitoring and fixing leaks and hoses. The well water and council supply use are monitored every day as well as the influent entering the waste water treatment plant. Supervisors are charged with making sure water sources are turned off while production is ceased. Electrical sterilisers are in use in order to keep water use to a minimum.

5. Reduce amount going to landfill

This is a continuous process within Kildare Chilling Company. All clean cardboard, pallets, bin liners, rope, strapping, office papers, paper hand towels and plastic drums are recycled. Plastic trays are being used instead of cardboard boxes for the storage of beef and lamb. IBC's of chemicals are sent back to the chemical supplier to be used again, which is a higher option in the waste hierarchy.

6. Minimising energy consumption

Kildare Chilling Co. has reduced energy during the winter period by keeping energy consumption to a minimum during the peak demand period. There has been a 7.5% reduction in the consumption of natural gas on site compared to 2010.

7. Prevent incidents with environmental consequences

This is a key principal of environmental management within Kildare Chilling. There was no incident in Kildare Chilling in 2011.

8. Commitment to continual improvement

This is a commitment carried out by Kildare Chilling Company as part of the EMS whereby the company commits to continual improvement of its environmental performance. This is achieved by regular meeting of the environmental manager with the senior management and with the maintenance team.

Table 3.2 Breakdown of EMP targets for 2012

Objective	Target	Means of Achieving Objective	Persons Responsible
1. Update New EMS to take into account new procedures.	Ongoing from March 2012	Update the EMS to take into account new procedures	Environmental Manager
2. Consistently meet emissions to sewer quality to IPPC licence requirements	Continually keep emissions as low as possible, below ELV's, throughout 2012	Reduce the load entering the plant. Consistent operation of the WWTP.	Environmental Manager Maintenance Manager
3. Substitute where possible materials for more environmental friendly materials	Continue to review processes and materials and aim to recycle as much as possible	Continue to look at processes and activities to examine means of substituting materials for more environmentally friendly ones.	Purchasing Manager Environmental Manager Production Manager
4. Reduce Water Consumption	Reduce amount of water being consumed in processes in the factory and hence the amount of wastewater generated	Continue to monitor washing activities, Continually monitor for and fix leaks. Reuse treated effluent for truck washing	Environmental Manager Maintenance Manager
5. Reduce amount going to landfill	Minimise amount of waste going to landfill	Continue to look at processes and activities to examine means of re-using some materials, recycling more materials and reducing landfilling of waste	Environmental Manager
6. Minimising Energy Consumption	Minimise the energy used in the factory	Continual monitoring and maintenance of hot water, compressed air and refrigeration lines. Continue to look for opportunities to reduce energy consumption through BAT	Environmental Manager Maintenance Manager
9 Prevent incidents	Prevent incidents	Regularly monitor	Environmental Manager

with environmental impacts	with environmental impacts	systems with environmental incidents	
10. Commitment to continual improvement	Improve the environmental performance of the company	Continually assess ways to improve the environmental performance of Kildare Chilling Company	Environmental Manager

4. Emissions to Sewer

Emissions to sewer are governed by schedule 1 (i) of the IPPC licence. The ELV's are as follows:

Table 4.1 ELV's for Kildare Chilling Company

Parameter	ELV
Flow m ³	45
BOD mg/l	10
Fats Oils and Greases mg/l	10
Suspended Solids mg/l	15
Ammonia mg/l N	4.5
Oxidised Nitrogen mg/l N	30
Orthophosphate mg/l P	1.5

The following is a table of mass emission of pollutants to sewer in 2011 in comparison to the permitted mass emissions.

4.2 Mass emissions for 2011 for Kildare Chilling Company

Pollutant	Mass Emissions for 2011 (kg)	*Permitted mass emissions (kg)
BOD	896.17	3814.25
Fats Oils and Greases	368.85	3814.25
Suspended Solids	1577.24	5721.38
Ammonia (N)	192.52	1727.91
Oxidised Nitrogen (N)	977.50	11442.75
Orthophosphate (P)	93.13	572.18

* The permitted mass emissions are based on discharges at ELV and maximum discharges

5. Resource Consumption

5.1 Water Consumption

The average daily water consumption on the site for 2011 was 677m³ and is obtained from a groundwater well and the county council supply is used for potable drinking water. The water from the groundwater wells is first softened using a softener and then chlorinated for use in the factory.

Table 5.1 Water usage in Kildare Chilling Company in 2011

Month	Groundwater	Council Supply	Total Monthly Usage
January	14780	115	14895
February	13636	76	13712
March	14406	408	14814
April	14223	301	14524
May	14397	180	14577
June	14400	17	14417
July	14072	87	14159
August	14181	25	14206
September	13811	25	13836
October	12971	350	13321
November	13324	27	13351
December	13333	225	13558
Total	167534	1836	169370

5.2 Energy Consumption

The energy used on-site for 2011 can be characterised below as:

Table 5.2 Energy usages in Kildare Chilling Company for 2011

Energy Source	Megawatt hours used
Electricity	10974
Natural Gas	13845
Tallow Oil	0

Kildare Chilling Company prides itself on the use of clean sources of energy such as natural gas to reduce its carbon footprint.

6. Organic Waste Register

There are two types of organic waste arisals on-site in Kildare Chilling Company. These are the paunch contents of the animals' stomach and the sludge from the WWTP. The Paunch is pressed on-site and the excess water sent to the WWTP. The sludge is a mixture of waste activated sludge and also DAF skimming which are dewatered using a sludge centrifuge. These arisals are land-spread on various landbanks in accordance with our Nutrient Management Plan approved by the Agency. Below is a summary of the organic waste arisals on-site in Kildare Chilling Company.

Table 6.1 Summary of organic waste arisals for Kildare Chilling Company in 2011

Month	Pressed Paunch Arisals (Tonnes)	WWTP Sludge Arisals (Tonnes)
January	170	478
February	169	446
March	310	509
April	243	402
May	189	366
June	208	606
July	229	521
August	230	509
September	251	476
October	237	508
November	264	587
December	196	513
Total	2696	5922

7. Reported Incidents

There were no reported incidents during 2011.

The following is a list of non-compliances reported. Kildare Chilling Company has had problems with its WWTP in previous times but has invested significant man hours and capital into ensuring compliance with its IPPC licence requirements and the fruits of this work can be seen in a much greater improvement in the performance of the WWTP. During the period 01/01/11 to 31/21/11 there were five breaches of our ELV's. During the same period in 2010 there were 27 breaches of our ELV's.

Table 7.2 Details of non-compliances with ELV's in Kildare Chilling Company for 2011

	Parameter		
	BOD	SS	O-P
IPPC ELV	10	15	1.5
Date			
02/02/11	-	22	2.5
03/02/11	-	17.6	2.12
15/12/11	12.5	-	-

8. Complaints Summary

Below is a summary of the complaints received against the facility in 2011. The total number of complaints for the period 1/1/11 to the 31/12/11 was 2. The total number of complaints in the period 1/1/10 to 31/12/10 was 10.

Table 8.1 Summary of Complaints in Kildare Chilling Company in 2011

	Noise	Odour	Dust	Water	Procedural	Misc.	Total
January	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0
March	0	0	0	0	0	0	0
April	0	0	0	0	0	0	0
May	0	1	0	0	0	0	1
June	0	0	0	0	0	0	0
July	0	0	0	0	0	0	0
August	0	1	0	0	0	0	1
September	0	0	0	0	0	0	0
October	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0
Total	0	2	0	0	0	0	2

9. Waste Management

The following is a summary of the waste arisals at Kildare chilling Company in 2011.

Table 9.1 Table of Waste arisals at Kildare Chilling Company in 2011

European Waste Code	Hazardous	Quantity T/Year	Description of Waste	Name and Licence/Permit No of Recover/Disposer	Address of Recover/Disposer
02 02 02	No	1290.9	Animal by product Bones	Dublin Products LTD,R910	Dunlavin, Co Wicklow, Ireland
02 02 04	No	5922	WWTP Sludge	Kieran Kelly, WCP-KE-09-0539-01	Nurney , Co Kildare, Ireland
02 02 99	No	2696	Paunch	Kieran Kelly, WCP-KE-09-0539-01	Nurney , Co Kildare, Ireland
20 03 01	No	86.82	General Factory Waste	Advanced Environmental Services, W0194-02	Portlaois Landfill, Portlaois, Ireland
02 02 03	No	3380.8	Animal by-products, (SRM) offals	College Proteins, R911	College Road, Nobber, Co Meath, Ireland
20 01 40	No	2175.4	Scrap Metal	A1 Metals, WMP 007 D	Acragar, Mountmellick, Co Laois, Ireland
02 02 02	No	2103.9	Animal by product Bones	Munster Proteins, R919	Cahir, Co Tipperary
02 02 03	No	6483.3	Animal by-products, (SRM) offals	Waterford Proteins, R919	Christendom, Ferrybank, Co Waterford
20 01 01	No	61.73	Paper and cardboard	Leinster Environmental, WP 2004/30	Clarmount Business Park, Haggardstown, Dundalk, Co Louth, Ireland
15 01 03	No	6.08	Wooden Pallets	Leinster Environmental, WP 2004/30	Clarmount Business Park, Haggardstown, Dundalk, Co Louth, Ireland
20 01 39	No	21.18	Plastics	Leinster Environmental, WP 2004/30	Clarmount Business Park, Haggardstown, Dundalk, Co Louth, Ireland

20 01 01	No	6.5	Paper and cardboard	Danelle Recycling LTD, WP/25/06	Kilnock, Ballon, Co Carlow, Ireland
20 01 39	No	2.38	Plastics	Danelle recycling LTD, WP/25/06	Kilnock, Ballon, Co Carlow, Ireland
20 01 21	Yes	300*	Lamps (*Individual number of waste lamps arising)	Wesco Electrical LTD, WES 100	Newbridge Industrial Estate, Newbridge, Co Kildare, Ireland

10. On-site Surface Water Monitoring

The on-site surface water is analysed in accordance with Schedule 3(i) of the IPPC licence. The results are shown below:

Table 10.1 On-site surface water monitoring results for 2011

	Visual Inspection	Conductivity (us/cm³)	COD (mg/l)
January	Clear	772	34
February	Clear	719	31
March	Clear	1503	23
April	Clear	1086	86
May	Clear	863	63
June	Clear	980	28
July	Clear	745	62
August	Clear	764	57
September	Clear	748	68
October	Clear	1203	37
November	Clear	297	77
December	Clear	1407	33

11. Groundwater Monitoring

The groundwater on-site is analysed in accordance with Schedule 4 (i) of the IPPC licence.

Table 11.1 Combined analysis of well on-site for 2011

Parameter	Unit	Result
Total Viable Count @ 22 °C	CFU/ml	0
Total Viable Count @ 37 °C	CFU/ml	0
Faecal Coliforms	CFU/ml	0
COD	mg/l	5.8
pH	N/A	7.1
Nitrate	mg/l	13.4

[Guidance to completing the PRTR workbook](#)

AER Returns Workbook

Version 1.1.13

REFERENCE YEAR	2011
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1. FACILITY IDENTIFICATION

Parent Company Name	Kildare Chilling Company
Facility Name	Kildare Chilling Company
PRTR Identification Number	P0170
Licence Number	P0170-01

Waste or IPPC Classes of Activity

No.	class name
7.4.1	The operation of slaughterhouses with a carcass production capacity greater than 50 tonnes per day

Address 1	Kildare
Address 2	Co. Kildare
Address 3	
Address 4	
	Kildare
Country	Ireland
Coordinates of Location	-6.88511 53.1542
River Basin District	IESE
NACE Code	1011
Main Economic Activity	Processing and preserving of meat
AER Returns Contact Name	Michael Maguire
AER Returns Contact Email Address	environment@kildarechillingco.ie
AER Returns Contact Position	Environmental Officer
AER Returns Contact Telephone Number	045-530400
AER Returns Contact Mobile Phone Number	
AER Returns Contact Fax Number	045-522061
Production Volume	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	0
User Feedback/Comments	
Web Address	

2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
8(a)	Slaughterhouses

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

Is it applicable?	
Have you been granted an exemption ?	
If applicable which activity class applies (as per Schedule 2 of the regulations) ?	
Is the reduction scheme compliance route being used ?	

4.1 RELEASES TO AIR

[Link to previous years emissions data](#)

| PRTR#: P0170 | Facility Name : Kildare Chilling Company | Filename : Copy of P0170_2011 xml.xls | Return Year : 2011 |

27/06/2012 10:06

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

POLLUTANT		METHOD			Please enter all quantities in this section in KGs			
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
02	Carbon monoxide (CO)				0.0	0.0	0.0	0.0
08	Nitrogen oxides (NOx/NO2)				0.0	0.0	0.0	0.0
11	Sulphur oxides (SOx/SO2)				0.0	0.0	0.0	0.0

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

SECTION B : REMAINING PRTR POLLUTANTS

POLLUTANT		METHOD			Please enter all quantities in this section in KGs			
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

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

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

POLLUTANT		METHOD			Please enter all quantities in this section in KGs			
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

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

Additional Data Requested from Landfill operators

For the purposes of the National Inventory on Greenhouse Gases, landfill operators are requested to provide summary data on landfill gas (Methane) flared or utilised on their facilities to accompany the figures for total methane generated. Operators should only report their Net methane (CH4) emission to the environment under T(total) KG/yr for Section A: Sector specific PRTR pollutants above. Please complete the table below:

Landfill:	Kildare Chilling Company				
Please enter summary data on the quantities of methane flared and / or utilised	T (Total) kg/Year	M/C/E	Method Used Method Code	Designation or Description	Facility Total Capacity m3 per hour
Total estimated methane generation (as per site model)	0.0				N/A
Methane flared	0.0				0.0 (Total Flaring Capacity)
Methane utilised in engine's	0.0				0.0 (Total Utilising Capacity)
Net methane emission (as reported in Section A above)	0.0				N/A

4.2 RELEASES TO WATERS

[Link to previous years emissions data](#)

| PRTR# : P0170 | Facility Name : Kildare Chilling Company | Filename : Copy of P0170_2011.xml.xls | Return Year : 2011 |

27/06/2012 10:06

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

Data on ambient monitoring of storm/surface water or groundwater, conducted as part of your licence requirements, should NOT be submitted under AER / PRTR Reporting as this only concerns Releases from your facility

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
POLLUTANT		Method Used			QUANTITY			
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

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

SECTION B : REMAINING PRTR POLLUTANTS

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
POLLUTANT		Method Used			QUANTITY			
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

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

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

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
POLLUTANT		Method Used			QUANTITY			
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

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

SECTION A : PRTR POLLUTANTS

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
06	Ammonia (NH3)	M	OTH	Hach Method	192.52	192.52	0.0	0.0
13	Total phosphorus	M	OTH	Hach Method	156.84	156.84	0.0	0.0
12	Total nitrogen	M	OTH	Hach Method	1467.67	1467.67	0.0	0.0
28	Chlordane	M	OTH	Hach Method	12248.25	12248.25	0.0	0.0

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

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

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
303	BOD	M	ALT	BOD 5	896.17	896.17	0.0	0.0
306	COD	M	OTH	Hach Method	10004.65	10004.65	0.0	0.0
308	Detergents (as MBAS)	M	ALT		12.13	12.13	0.0	0.0
327	Nitrate (as N)	M	OTH	Hach Method	977.5	977.5	0.0	0.0
387	Ortho-phosphate (as P)	M	OTH	Hach Method	93.13	93.13	0.0	0.0
240	Suspended Solids	M	OTH	Dry Weight	1577.24	1577.24	0.0	0.0

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

4.4 RELEASES TO LAND

[Link to previous years emissions data](#)

| PRTR# : P0170 | Facility Name : Kildare Chilling Company | Filename : Copy of P0170_2011 xml.xls | Return Year : 2011 |

27/06/2012 10:06

SECTION A : PRTR POLLUTANTS

POLLUTANT		METHOD			Please enter all quantities in this section in KGs		
RELEASES TO LAND		METHOD			QUANTITY		
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year
					0.0	0.0	0.0

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

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

POLLUTANT		METHOD			Please enter all quantities in this section in KGs		
RELEASES TO LAND		METHOD			QUANTITY		
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year
					0.0	0.0	0.0
					0.0	0.0	0.0

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

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

| PRTR# : P0170 | Facility Name : Kildare Chilling Company | Filename : Copy of P0170_2011 xml.xls | Return Year : 2011 |

27/06/2012 10:06

Please enter all quantities on this sheet in Tonnes

0

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste : Name and Licence/Permit No of Next Destination Facility	Non	Haz Waste : Address of Next Destination Facility	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used		Haz Waste : Name and Licence/Permit No of Recover/Disposer	Non Haz Waste : Address of Recover/Disposer			
Within the Country	02 02 02	No	1290.9	animal-tissue waste	R3	M	Weighed	Offsite in Ireland	Dublin Products LTD,R910		Dunlarvin,..Co Wexford,..Ireland		
Within the Country	02 02 02	No	2103.9	animal-tissue waste	R3	M	Weighed	Offsite in Ireland	Munster Proteins,R919		..Cahir,..Co Tipperary,Ireland		
Within the Country	02 02 03	No	3380.8	materials unsuitable for consumption or processing	R3	M	Weighed	Offsite in Ireland	College Proteins,R911		Colege Road,Nobber,..Co Meath,Ireland		
Within the Country	02 02 03	No	6483.3	materials unsuitable for consumption or processing	R3	M	Weighed	Offsite in Ireland	Waterford Proteins,R919		Christendom,..Ferrybank,Co Waterford,Ireland		
Within the Country	02 02 04	No	5922.0	sludges from on-site effluent treatment	R10	M	Weighed	Offsite in Ireland	Kieran Kelly,WCP-KE-09-0539-01		Nerney,..Co Kildare,Ireland		
Within the Country	02 02 99	No	2696.0	waste not otherwise specified	R10	M	Weighed	Offsite in Ireland	Kieran Kelly,WCP-KE-09-0539-01		Nerney,..Co Kildare,Ireland		
Within the Country	15 01 03	No	6.03	wooden packaging	R3	M	Weighed	Offsite in Ireland	Leinster Environmental,WP 2004/30		Claremont Business Park,Haggardstown,Dundalk ..Co Louth,Ireland		
Within the Country	20 01 01	No	61.73	paper and cardboard	R3	M	Weighed	Offsite in Ireland	Leinster Environmental,WP 2004/30		Claremont Business Park,Haggardstown,Dundalk ..Co Louth,Ireland		
Within the Country	20 01 01	No	6.5	paper and cardboard	R3	M	Weighed	Offsite in Ireland	Danelle Recycling LTD,WP/25/06		Kilnock,..Ballon,Co Carlow,Ireland		
To Other Countries	20 01 21	Yes	300.0	fluorescent tubes and other mercury-containing waste	R4	C	Volume Calculation	Abroad	Wesco Electrical LTD,WES 100		Newbridge Industrial Estate,..Newbridge,Co Kildare,Ireland	M&R Claushuis,MB/04.040267/L,I ndustrieterrein	Industrieterrein Trekkersveld,Nijverheidsweg 26,NL-
Within the Country	20 01 39	No	2.38	plastics	R3	M	Weighed	Offsite in Ireland	Danelle Recycling LTD,WP/25/06		Carlow,Ireland	3899AH,Zeewolde,Netherlands	Trekkersveld,Nijverheidsweg 26,NL-
Within the Country	20 01 39	No	21.18	plastics	R3	M	Weighed	Offsite in Ireland	Leinster Environmental,WP 2004/30		Claremont Business Park,Haggardstown,Dundalk ..Co Louth,Ireland		
Within the Country	20 01 40	No	2175.4	metals	R4	M	Weighed	Offsite in Ireland	A1 Metals,WMP 007 D		Acragar,..Mountmellick,Co Laois,Ireland		
Within the Country	20 03 01	No	86.82	mixed municipal waste	D1	M	Weighed	Offsite in Ireland	Advanced Environmental Services,W0194-02		Landfill,..Portlaois,Co Laois,Ireland		

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

[Link to previous years waste data](#)

[Link to previous years waste summary data & percentage change](#)