

**WATERFORD CARPETS LTD  
ANNUAL ENVIRONMENTAL REPORT  
2017**



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## 1.0 Introduction

This Annual Environmental Report (AER) for Waterford Carpets Ltd presents information for the period from 1<sup>st</sup> January to the 31<sup>st</sup> December 2017. The report format follows *EPA Guidance Note for Annual Environmental Report*.

The following items are included in this report:

- Summary of emissions to atmosphere
- Summary of emissions to water
- Waste management report
- Resource consumption summary
- Complaints summary
- Reported incidents summary
- Environmental management programme report and proposal
- Schedule of objectives and targets
- Noise survey results summary
- Water usage report

Waterford Carpets Ltd. has developed its environmental policy as part of its environmental management system. The company has been granted with ISO 14001 Environmental Management Systems Standard Certification in October 2008.

## 1.1 Company Details

Licence Register Number:	P0510-01
Name:	Waterford Carpets Limited.
Address:	Unit 201 Cork Road Industrial Park, Waterford.
Contact Information:	Mr. Noel Cunningham Managing Director Tel: 051-375941 Email: ncunningham@tretford.ie
	Mr. Bart Zdrojowy Environmental / Technical Manager Email: bart@tretford.ie

## **1.2 Company Description**

Waterford Carpets Limited has been in operation since September 1969 in the IDA Industrial Park Waterford. Waterford Carpets Limited manufactures a ribbed heavy contract non-woven carpet. This carpet is manufactured under the trade name **tretford**. The carpet is manufactured from a combination of goat hair, nylon, rayon and wool.

No dyeing or treatment of the carpet takes place on the site at present, nor does the process of moth proofing.

Waterford Carpets Limited operates a continuous production system from 08:00 Monday to 08:00 Saturday on a three-shift rota system. In 2017 the production ran 26 weeks in a full-time pattern (5 days / week) and 23 weeks in part-time (3 days / week).

At present Waterford Carpets Limited employs 28 personnel.

Waterford Carpets management and staff recognise the importance of environmental protection as an essential requirement of its operations. Among the stated values of Waterford Carpets are the following:

- That our products will be safe to make and to use.
- We will conserve natural resources and we will continue to invest in better environment protection.
- Waterford Carpets Ltd. will undertake to conduct its business in a manner, which protects the environment of the Customers, Employees and Community in which it operates.

The challenge is to achieve a high quality environment, to this end; the company is committed to continuous improvement - "reduce, reuse & recycle"- at all levels throughout the organisation.

### **1.3 Environmental Policy**

The General Management of Waterford Carpets Limited is committed to pollution prevention and environmental protection at its facility. Waterford Carpets Limited aims to achieve the highest standards of environmental performance in the interest of all our stakeholders, whether they are employees, neighbours, the general public or the natural environment.

Waterford Carpets Limited is committed to complying with all environmental legislation and regulations that may apply to the industry and we will make every effort to comply with the requirements of our Integrated Pollution Control Licence. We will adhere to the principles of responsible care and we strive for continuous improvement in its implementation.

By preparing and implementing an Environmental Management System, which will include policies, objectives and targets, we will administer a continuous programme designed to ensure that the products manufactured at Waterford Carpets Limited will not compromise or damage the environment.

Waterford Carpets Limited will review the Environmental Management System annually. We will also review our environmental aspects register and set Environmental Objectives and targets accordingly.

Waterford Carpets will examine and evaluate the environmental implications of any processes and products, and cleaner technologies will be investigated and utilised where possible. Waste avoidance and reduction plus a waste recycling initiative will be vigorously pursued and implemented.

Waterford Carpets will continuously examine, evaluate and review energy usage in its manufacturing processes and implement an energy conservation programme. We will ensure that adequate operational procedures and emergency plans are implemented and reviewed on an ongoing basis. We will ensure that our employees receive adequate training in relation to our environmental policies and procedures and will review these training needs as may be required.

We are committed to continuous improvement of our Environmental Management System and we will ensure that it shall be integrated at all levels within our organisation. We will strive for ever-improving environmental performance and we will strive to protect the environment for our employees, neighbours and all our other stakeholders.

Noel Cunningham  
Managing Director

### 1.4 Company Organisation Chart

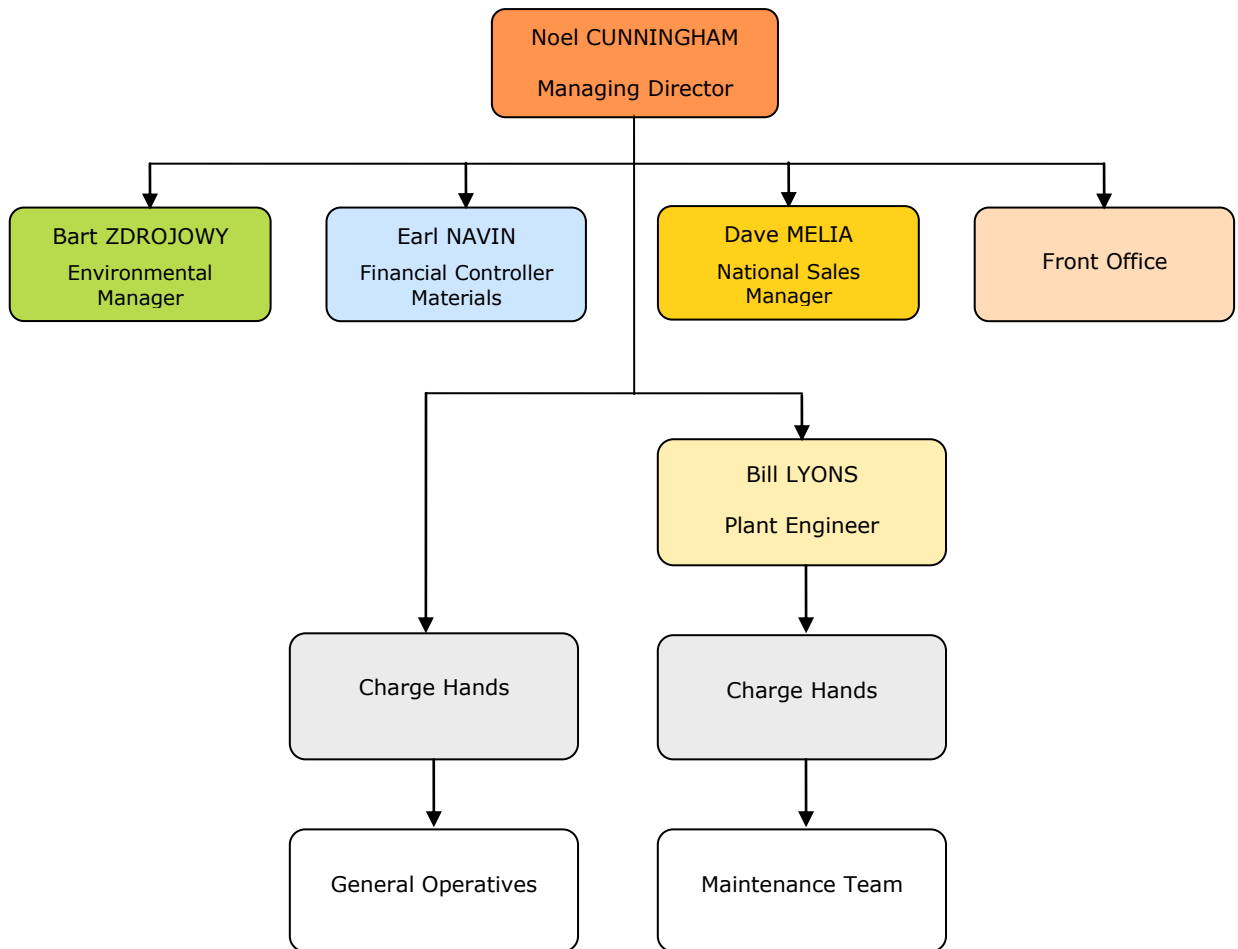


Figure 1. Organisation Chart for Waterford Carpets Ltd.

NB. Environmental Manager has direct environmental responsibilities. All other employees have support roles.

## 2.0 SUMMARY INFORMATION

This section contains a summary of the information regarding:

- Annual emissions data, including discharges to waters, air emissions, waste management and noise.
- Energy and water usage
- Environmental incidents and complaints

This section of the AER provides summary data on emissions/discharges to various environmental media from the Waterford Carpets site.

### 2.1 Emissions to Sewer

This section of the AER provides information pertaining to Waterford Carpets emissions to sewer. The emissions to sewer data indicate overall compliance with the IPPC emission limit values (ELV's). There were no non-compliances recorded during 2017.

Table 1. Emissions to Sewer for 2013 – 2017

Parameter	26/11/2013	8/12/2014	9/12/2015	26/11/2016	13/12/2017	Limit Value	Monitoring Frequency
Temperature	20°C	19°C	17°C	18°C	19°C	40°C max	Annually
PH	7.2	7.1	7.2	7.5	7.4	6-9	Annually
BOD (mg/L)	11	15	12	17	14	60	Annually
COD (mg/L)	76	82	80	121	83	1000	Annually
Suspended Solids (mg/L)	6	10	18	25	21	120	Annually

### 2.2 Emissions to Surface Waters

Waterford Carpets discharges non-process water at discharge points SE2 in accordance with Schedule 4(i) of the IPPC Licence (Reg. No. P0510-01).

Non-process water consists of:

- Storm water run-off from roofs.
- Storm water run-off from areas including car parks and paved areas.

Surface water discharges at SE2 are measured on a quarterly basis for pH, COD and conductivity. A visual inspection takes place twice weekly.

A summary of the surface water discharge monitoring results is outlined in the table below.



Table 2 Results of Surface Water Monitoring for 2013 – 2017 (SE2)

Q1		24/01/2013	20/01/2014	5/03/2015	9/02/2016	7/02/2017	Limit Value
	pH	6.9	7.5	7.2	7.6	7.1	6-9
	COD (mg/l)	42	65	52	42	19	-
	Conductivity (uS/cm)	103	246	143	139	116	-
Q2		09/05/2013	16/04/2014	10/06/2015	24/05/2016	18/05/2017	Limit Value
	pH	7.2	6.9	7.1	7.1	7.4	6-9
	COD (mg/l)	35	77	46	58	17	-
	Conductivity (uS/cm)	187	206	104	149	121	-
Q3		16/09/2013	24/07/2014	17/09/2015	23/08/2016	16/08/2017	Limit Value
	pH	7.1	7.4	7.6	7.3	7.3	6-9
	COD (mg/l)	45	97	58	55	20	-
	Conductivity (uS/cm)	156	178	147	14	126	-
Q4		26/11/2013	08/10/2014	09/12/2015	29/11/2016	13/12/2017	Limit Value
	pH	7.4	7.6	7.2	7.2	7.1	6-9
	COD (mg/l)	71	69	23	87	18	-
	Conductivity (uS/cm)	173	167	110	23	126	-

Since 2002 surface water monitoring results are within the limits set in IPPC licence Reg. No. P0510-01. No results are available prior to that.

## 2.3 Emissions to Atmosphere

The emissions to atmosphere monitoring at Waterford Carpets Ltd. was carried out to fulfil the requirements of Condition 5 and Schedule 1(i) of IPPC licence registration number P0510-01. Air Emissions Monitoring started in 2002; the results available since demonstrate compliance with the IPPC Licence limit value. From 2014 onwards Air Emissions survey is carried out by Exova Catalyst, Finglas, Dublin 11.

Table 3 Results of Air Emissions Monitoring for 2013 – 2017

	A2-1	A2-2	A2-3	A2-4	A2-5	A2-06	Limit Value (mg/Nm <sup>3</sup> ):
Sampling date:	30/08/2017 - 27/05/2015 18/12/2014 26/11/2013	30/08/2017 - 28/05/2015 01/05/2014 26/11/2013	26/01/2017 15/06/2016 (6/10/2016)* 29/10/2015 18/12/2014 23/07/2013	26/01/2017 15/06/2016 27/05/2015 01/05/2014 23/07/2013	NIU NIU NIU NIU NIU	NIU NIU NIU 01/05/2014 16/09/2013	
2017	0.64	1.89	6.34	2.93	-	-	50
2016	N/A**	N/A**	0.51 (1.8)*	4.30	-	-	50
2015	2.88	4.60	3.88	2.42	-	-	50
2014	2.66	2.70	0.43	1.20	-	1.17	50
2013	6.17	4.46	10.89	7.94	-	3.16	50

NIU – Not in use

\* Fitz Scientific Ltd unannounced site visit on behalf of the EPA, October 6<sup>th</sup>, 2016

\*\* Machines fail to run on any of the campaign days of: June 15<sup>th</sup>, November 16<sup>th</sup>, December 7<sup>th</sup> and even during an unannounced site visit in October 2016

## **2.4 Waste Management**

Waterford Carpets Ltd. maintains full details and records of all waste arising on site in accordance with Condition 7 of the IPPC Licence. This section of the Annual Environmental Report (AER) provides comprehensive information regarding these wastes.

A full record, which shall be open to inspection by authorised persons of the Agency at all times, shall be kept by the licensee on matters relating to the waste management operations and practices at this site.

The records shall as a minimum contain details of the following:

- The names of the agent and transporter of the waste.
- The name of the persons responsible for the ultimate disposal/recovery of the waste.
- The ultimate destination of the waste.
- The tonnage and EWC code for the waste materials listed in schedule 3(1) Hazardous Waste for Disposal/Recovery and schedule 3(2) Other Wastes for Disposal/Recovery sent off site for Disposal/Recovery.
- Details of any rejected consignments.
- The tonnage and EWC code for the waste materials listed in schedule 3(1) Hazardous Waste for Disposal/Recovery and schedule 3(2) Other Wastes for Disposal/Recovery recovered/disposed of on site.

A summary of the waste quantities generated at the Waterford Carpets site is included in Table 2.7. A copy of waste management record is attached.

### **2.4.1 Hazardous Waste**

The main source of hazardous waste generated on-site was out of spec latex adhesive, used for past trials. Following spillage within the main PVC tank bund, and the subsequent successful cleaning operation in 2017, an amount of waste PVC adhesive is stored in a designated hazardous waste storage area, awaiting collection.

Indaver processes waste adhesive.

### **2.4.2 Non-Hazardous Waste**

The main disposed non-haz wastes include carpet trimmings and fibres and general (office/canteen) waste. Non-hazardous wastes destined for recovery were: baled cardboard and cardboard cores and scrap metal.

Table 4 Summary Information on Waste (2013 – 2017)

	2013	2014	2015	2016	2016	Note
<b>Total</b> quantity of waste (Tonnes)	95.45	75.91	118.00	168.18	142.23	
disposed of off-site	60.99	62.27	98.57	154.25	128.86	D1, D5
recovered on-site	-	-	-	-	-	-
recovered off-site	34.46	13.64	19.43	13.93	13.37	R1, R3, R4, R5, R12
<b>Non-hazardous</b> waste (Tonnes)	91.96	75.91	118.00	154.16	135.23	
disposed of off-site	60.99	62.27	98.57	149.87	128.86	D1
recovered on-site	-	-	-	-	-	-
recovered off-site	30.97	13.64	19.43	4.29	6.37	R3, R4, R5
<b>Hazardous</b> waste (Tonnes)	-	-	-	9.73	7.00	
disposed of off-site	-	-	-	0.09	-	D5
recovered off-site	3.49	-	-	9.64	7.00	R1, R12

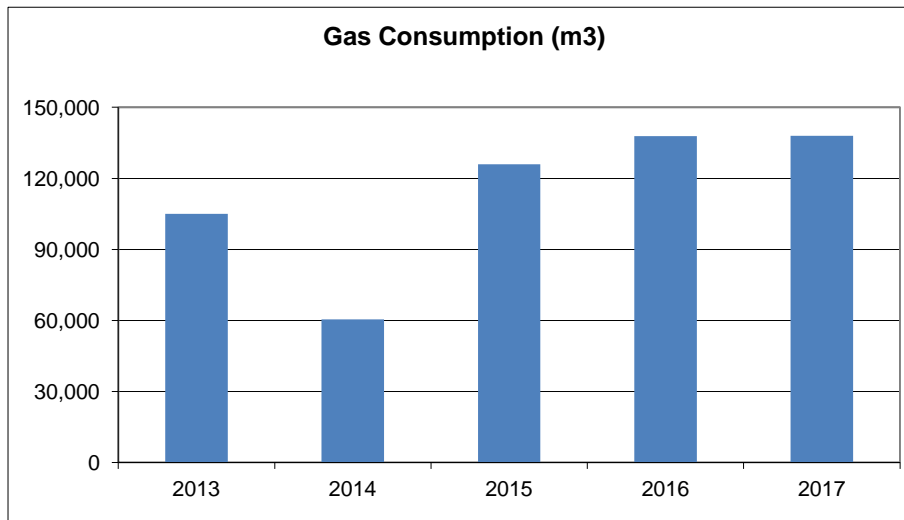
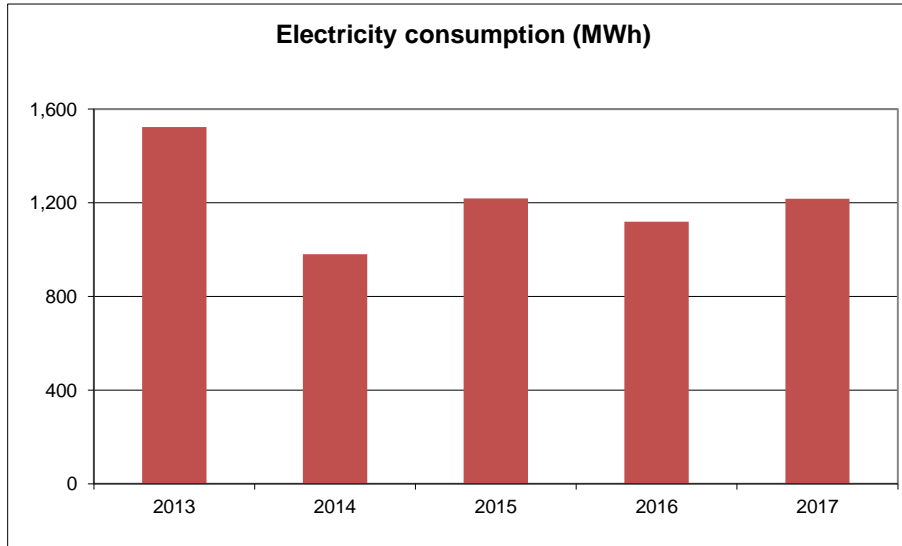
Table 5 Detailed information on Waste Streams 2017

European Waste Catalogue Code	Haz (Yes/No)	Description of Waste	Quantity (t/year)	Disposal/ Recovery Code	Location of Disposal/ Recovery	Name of Waste Disposal/ Recovery Contractor
Non hazardous:						
20 03 01	N	mixed municipal waste	128.86	D1	(b) Six Crossroads Bus. Pk	Greenstar
20 01 01	N	paper and cardboard	2.47	R3	(b) Six Crossroads Bus. Pk	Greenstar
16 03 05*	Y	Organic wastes cont. dangerous subst.	7.00	R12	(b) Dublin Port, Dublin	Indaver
15 01 04	N	metallic packaging	3.90	R4	(b) Enniscorthy	Molloy Metal Recycling Ltd

(a) On-site; (b) Off-site (Ireland); (c) Off-site (abroad)

### 2.5 Energy Consumption (2013-2017)

	2013	2014	2015	2016	2017
Electricity (MWh)	1,524	980	1,219	1,119	1,218
Gas (m <sup>3</sup> )	105,052	60,386	125,952	137,900	137,951

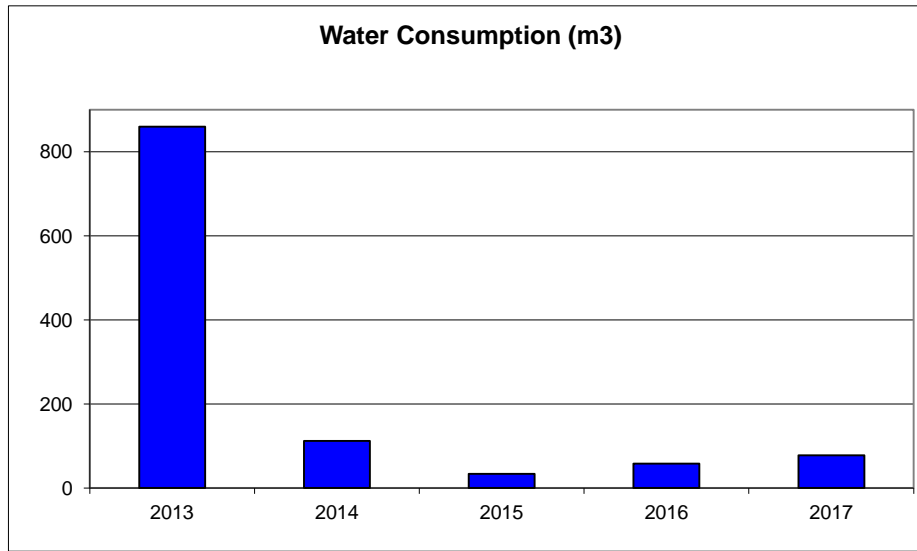


## 2.6 Water Consumption (2013-2017)

Table 6 Water Consumption

	2013	2014	2015	2016	2017
Cubic m	860	112	34	58	78

Refurbishment works on the sprinkler system allowed us to significantly cut down on water bill from 2014 onwards.



## 2.7 Environmental Incidents and Complaints

There were no environmental incidents recorded or reported during the 2017 period

There was no environmental complaints received for the period January to December 2017

## 2.8 Agency Monitoring and Enforcement

There was one unannounced visit by the agency to Waterford Carpets Ltd during 2017.

### Inspection Reference Number: SV11281

This visit took place on the 8<sup>th</sup> June 2017 and was an unannounced visit by Mr Cormac MacGearailt of the EPA. Waterford Carpets Ltd was found to be non compliant (twice) with one condition of their IPPC licence.

#### 1. Are bunds and tanks (overground and underground) tested within the 3-year cycle? (Condition 10.3.1)

- While bunds are now being visually inspected, and a register of bunds is being maintained – there has not been a full re-test of site bunds since 2009. This was highlighted in the last inspection in 2014. It is also noted that mobile bunds have not been tested since 2009

#### Corrective Action:

- A major re-test of mobile bunds programme has been carried out over the month of June 2017. All mobile bunds were cleaned and re-tested. The main PVC bund is scheduled for re-test once the PVC overspill is first removed.

#### 2. All tank and drum storage areas shall be rendered impervious to the materials stored therein. (Condition 10.3.1)

- Drums stored in the workshop were not held within the bunded area.

#### Corrective Action:

- Toolbox talks now address the issue of drums in the workshop area not being put back to the bunded area provided. This is also periodically checked to ensure no drums are stored outside of the area specified.

There was one inspection observation also noted which did not constitute non-compliances but should be addressed.

**1. Available bund capacity, bund maintenance/housekeeping, and visual integrity checks.  
(Condition 10.3.1)**

- PVC overspill is still present in the main glue storage bund. While it is noted that there are procedures to allow for the loss of bund capacity due to this overspill, nevertheless this material should be removed without delay – as this prevents bund testing and poses an environmental risk. This waste must be sent for disposal/recovery, to an appropriate waste facility and records of such maintained.
- Additionally debris and litter within the PVC mixing tank bund should be removed and the bund cleaned
- While a weekly visual check of pipework for leaks is being carried out and recorded, observations are not noted. These should be included in future.
- The oil drip tray and waste oil bunding in the workshop should be cleaned and the residue disposed of as hazardous waste, with appropriate documentation retained.

Corrective Action:

- PVC overspill has been cleaned and the waste PVC is now stored on-site in IBCs on bunds awaiting collection by the contractor.
- Oil drip tray and waste oil bunding have been cleaned out and the waste oil is safely stored awaiting collection.

### **3.0 ENVIRONMENTAL MANAGEMENT**

Waterford Carpets Ltd. operates and maintains the ISO 14001 certified Environmental Management System (EMS). Therefore the company has documented and implemented an EMS and complies with the requirements of Condition 2.2 of the IPPC Licence (Reg. P0510-01).

A schedule of Environmental Objectives and Targets has been developed by Waterford Carpets in accordance with Condition 2.2.2 of the IPPC Licence. These have been included in the Environmental Management Programme, which designates responsibility for the various objectives and targets. The EMP also outlines the means by which the Objectives and Targets may be achieved and the timescales involved in accordance with Condition 2.2.2.2 of the IPPC Licence. The EMP is revised and updated as required.

Programmes and procedures are in place to ensure effective management and control.



### **3.1 Schedule of Environmental Objectives and Targets**

Objective	Targets
Reduce waste disposal	Reduce waste disposal and increase recycling
Resource Use and Energy Efficiency	Reduce energy consumption and consumables per 1m of carpet produced
Safe Workplace Environment	Adequate level of training for employees
Environmental Management System	EMS which complies with all relevant regulations, requirements and guidelines

### 3.2 Environmental Management Plan Proposal 2018

2016 Schedule of Objectives and Targets						
Prepared by: Bart Zdrojowy, Environmental Manager					Date: March 2018	
Approved by: Noel Cunningham, Managing Director						
	Target	Plan	Responsibility	Resources Req'd	Completion Date:	
<b>Objective 1:</b> Reduce waste disposal and increase recycling	Waste production monitoring	Implement monitoring programme in each department	Env. Mgr / Plant Eng.		Q4 2018 1Q <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 1Q <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
		Identify critical areas	Env. Mgr / Plant Eng.		Q2 2018 1Q <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> 1Q <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
	Lower amount of landfill waste created per 1m of product	Alternative paths for landfill waste	Investigate composting options	Env. Mgr		Q4 2018 1Q <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 1Q <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
			Investigate alternative uses for small rolls / 2 <sup>nd</sup> grade / off-cuts	Env. Mgr		Q4 2018 1Q <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 1Q <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
			More effective collection and recycling of plastic wrapping	Env. Mgr		Q4 2018 1Q <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 1Q <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	<b>Objective 2:</b> Reduce energy consumption and consumables per 1m of carpet produced	Track energy usage and charges	Review charges for 2017, renew contracts	Env. Mgr		Ongoing process 1Q <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> 1Q <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
Lower CO2 emissions		100% Green (renewable) Electricity Contract	M.D. / Env. Mgr		Ongoing process 1Q <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> 1Q <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	
Control gas & energy usage. Lower CO2 emissions.		Energy Efficiency Audit	Review recommendations	Env. Mgr / Plant Eng. / M.D.		Q4 2016 1Q <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 1Q <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	Implement where possible		Env. Mgr / Plant Eng.	Financial: to be determined	Q4 2018 1Q <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 1Q <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	

<b>Objective 3:</b> Safe Workplace Environment	Adequate level of training for Employees	Review training needs	Env. Mgr		Q1 2018 1Q <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 1Q <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
		Address new requirements	M.D. / Env. Mgr / Financial Cntrl	Financial: to be determined	Q4 2018 1Q <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 1Q <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
		Refresher courses as per requirements	Outside contractors	Financial: to be determined	Q4 2018 1Q <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 1Q <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<b>Objective 4:</b> Environmental Management System	EMS compliant with all relevant regulations, requirements and guidelines.	Review current legislation, EPA requirements and guidelines	Env. Mgr		Q2 2018 1Q <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 1Q <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
		Implement findings	Env. Mgr	Financial: to be determined	Q4 2018 1Q <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 1Q <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
		Review ISO14001:2015 revision	Env. Mgr		Q4 2018 1Q <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 1Q <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
		Implement findings	Env. Mgr	Financial: to be determined	Q4 2018 1Q <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 1Q <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

## 4.0 LICENCE SPECIFIC REPORTS

### 4.1 Noise Survey

#### 4.1.1 Boundary Noise Measurements

Table 7 Boundary Noise Monitoring Results (13/12/2017)

Boundary Noise Day-time Results							
Location No.	Location description	Measurement Period (Min.)	Sampling Time	L <sub>eq</sub> dB(A)	L <sub>10</sub> dB(A)	L <sub>90</sub> dB(A)	Comments
N1	South West Corner Across from workshop	15	7:30	51	52	50	No noise audible from factory. Traffic from the Industrial Park was audible.
N2	West Face – Across from glue mixing	15	7:50	53	52	51	No noise audible from factory. Traffic from the Industrial Park was audible.
N3	North West Corner	15	8:10	52	51	50	No noise audible from factory. Traffic from the Industrial Park was audible.
N4	North Face	15	8:30	51	52	50	No noise audible from factory. Traffic from the Industrial Park was audible.
N5	North East Corner	15	8:50	50	49	48	No noise audible from factory. Traffic from the Industrial Park was audible.
N6	East Face – across from Loading Bay	15	9:10	51	50	49	No noise audible from factory. Traffic from the Industrial Park was audible.
N7	South east Corner – Main Entrance	15	9:30	52	51	50	No noise audible from factory. Traffic from the Industrial Park was audible.
N8	South Face	15	9:50	50	54	53	Air compressor was operating and audible. Traffic from the Industrial Park was audible.

Results marked **red** exceeds the specified day-time limit of 55 dB(A)

#### 4.1.2 Noise sensitive Locations

Table 8 Noise Sensitive Locations Day-time Monitoring Results (13/12/2017)

Noise Sensitive Location Day-time Results							
Location No.	Location description	Measurement Period (Min.)	Sampling Time	L <sub>eq</sub> dB(A)	L <sub>10</sub> dB(A)	L <sub>90</sub> dB(A)	Comments
9	No. 10 Lismore Park	15	10:05	53	54	52	No noise was audible from factory. 7 cars passed
			10:25	54	54	53	No noise was audible from factory. 6 cars + 1 van passed
			10:45	52	53	53	No noise was audible from factory. 5 cars passed
10	No. 95 Lismore Park	15	11:05	54	53	51	No noise was audible from factory. 1 lorry passed
			11:25	53	53	52	No noise was audible from factory. 4 cars passed
			11:45	55	54	54	No noise was audible from factory. 1 cars + 1 motor bike passed
11	No. 112 Lismore Park	15	12:05	52	55	53	No noise was audible from factory. Dog Barking
			12:25	54	53	53	No noise was audible from factory. 4 cars passed
			12.45	55	54	54	No noise was audible from factory. 1 lorry parked
12	No. 123 Lismore Park	15	13:05	53	54	53	No noise was audible from factory. 3 cars passed
			13:25	55	54	54	No noise was audible from factory. 6 cars passed
			13:45	54	56	54	No noise was audible from factory. 5 cars passed

Results marked **red** exceeds the specified day-time limit of 55 dB(A)

Table 9 Noise Sensitive Locations Night-time Monitoring Results (12/12/2017)

Noise Sensitive Location Night-time Results							
Location No.	Location description	Measurement Period (Min.)	Sampling Time	L <sub>eq</sub> dB(A)	L <sub>10</sub> dB(A)	L <sub>90</sub> dB(A)	Comments
9	No. 10 Lismore Park	15	23:40	41	43	41	No noise was audible from factory. 2 cars passed
			00:00	42	43	40	No noise was audible from factory. 3 cars passed
10	No. 95 Lismore Park	15	00:20	40	42	41	No noise was audible from factory. 1 car passed
			00:40	41	43	42	No noise was audible from factory. 2 cars passed
11	No. 112 Lismore Park	15	01:00	41	43	43	No noise was audible from factory
			01:20	41	44	43	No noise was audible from factory. 1 car passed
12	No. 123 Lismore Park	15	01:40	40	42	43	No noise was audible from factory. No noise audible
			02:00	39	41	40	No noise was audible from factory. No noise audible

Results marked **red** exceed the specified night-time limit of 45 dB(A)

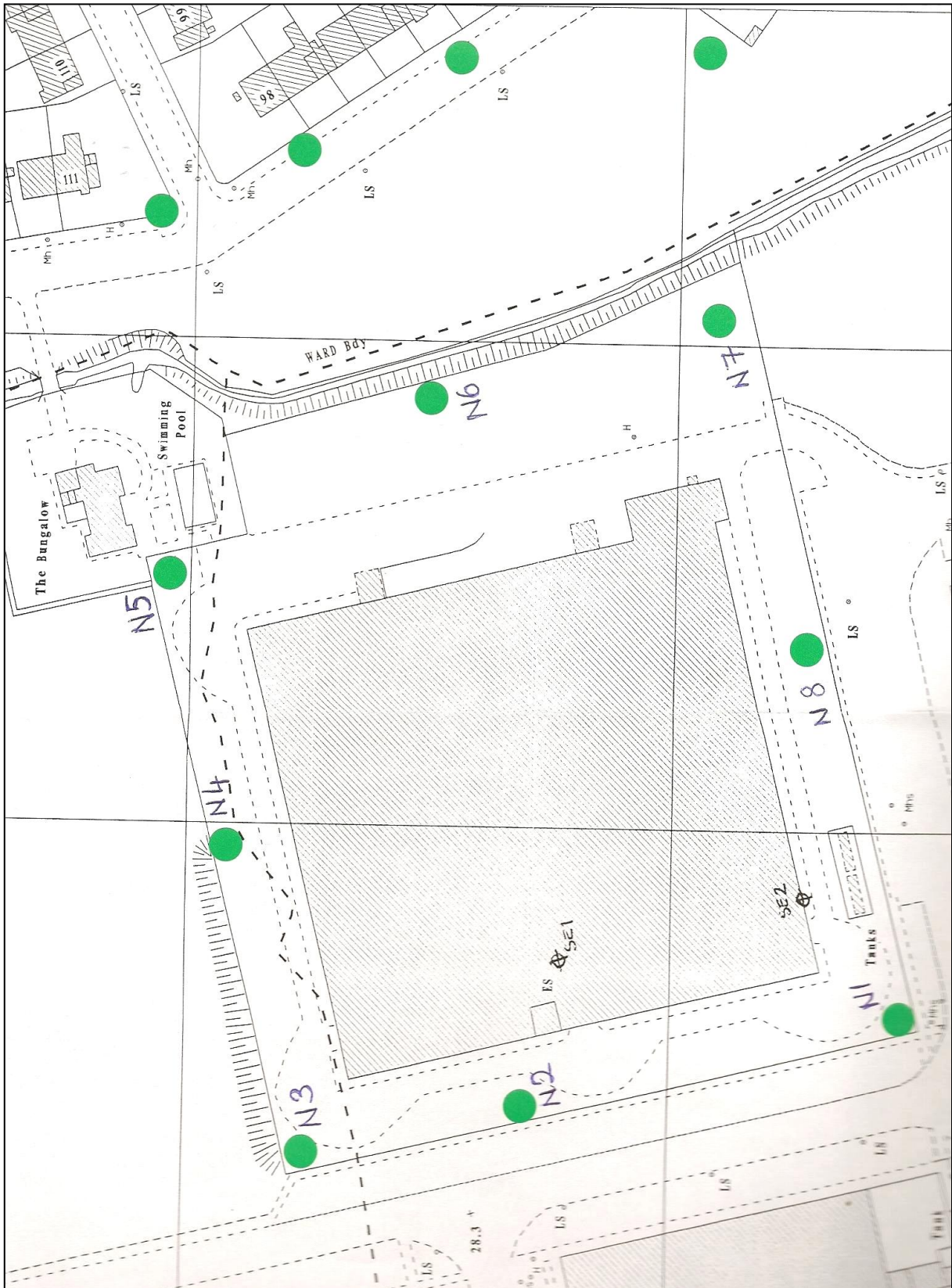


Figure 2 Location of noise monitoring points



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[Guidance to completing the PRTR workbook](#)

# PRTR Returns Workbook

Version 1.1.19

<b>REFERENCE YEAR</b>	2017
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## 1. FACILITY IDENTIFICATION

Parent Company Name	Waterford Carpets Limited
Facility Name	Waterford Carpets Limited
PRTR Identification Number	P0510
Licence Number	P0510-01

### Classes of Activity

No.	class_name
-	Refer to PRTR class activities below

Address 1	Unit 201
Address 2	IDA Industrial Park
Address 3	Cork Road
Address 4	Waterford
	Waterford
Country	Ireland
Coordinates of Location	-7.14475 52.2479
River Basin District	IESE
NACE Code	1393
Main Economic Activity	Manufacture of carpets and rugs
<b>AER Returns Contact Name</b>	Bart Zdrojowy
<b>AER Returns Contact Email Address</b>	bart@tretford.ie
<b>AER Returns Contact Position</b>	Environmental / Technical Manager
<b>AER Returns Contact Telephone Number</b>	051 375 941
<b>AER Returns Contact Mobile Phone Number</b>	
<b>AER Returns Contact Fax Number</b>	051 379 607
<b>Production Volume</b>	0.0
<b>Production Volume Units</b>	
<b>Number of Installations</b>	0
<b>Number of Operating Hours in Year</b>	0
<b>Number of Employees</b>	28
<b>User Feedback/Comments</b>	NACE: 1393 - Manufacture of Carpets & Rugs
<b>Web Address</b>	

## 2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
50.1	General

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

Is it applicable?	No
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. 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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This question is only applicable if you are an IPPC or Quarry site

4.1 RELEASES TO AIR [Link to previous years emissions data](#)

| PRTR#: P0510 | Facility Name : Waterford Carpets Limited | Filename : P0510\_2017.xls | Return Year : 2017 |

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SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

RELEASES TO AIR		Please enter all quantities in this section in KGs						
No. Annex II	POLLUTANT Name	M/C/E	METHOD Method Used		QUANTITY			
			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 AIR		Please enter all quantities in this section in KGs									
No. Annex II	POLLUTANT Name	M/C/E	METHOD Method Used		QUANTITY						
			Method Code	Designation or Description	Emission Point 1	Emission Point 2	Emission Point 3	Emission Point 4	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
86	Particulate matter (PM10)	E	ESTIMATE	Determination of Low Range Mass Concentration), Annual 30-min monitoring result (kg/hr) times ACTUAL production hours	4.28825	20.88854	42.01472	35.12132	102.31283	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 AIR		Please enter all quantities in this section in KGs						
Pollutant No.	POLLUTANT Name	M/C/E	METHOD Method Used		QUANTITY			
			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: Please enter summary data on the quantities of methane flared and / or utilised	Waterford Carpets Limited				
	T (Total) kg/Year	M/C/E	Method Used		Facility Total Capacity m3 per hour
	Method Code	Designation or Description			
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



4.3 RELEASES TO WASTEWATER OR SEWER

[Link to previous years emissions data](#)

| PRTR# : P0510 | Facility Name : Waterford Carpets Limited | Filename : P0510\_2017.xls | Re

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**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 Used		Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
			Method Code	Designation or Description				
					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 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 Used		COMPRESSOR OUTLET	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
			Method Code	Designation or Description	Emission Point 1			
				Sample taken directly off the compressor outlet. Lab analysis result(mg/l) * estimated flow (0.4l/hr) * 49wks @ 3d * 24 hrs /				
303	BOD	E	ESTIMATE	10*6	0.0267456	0.0267456	0.0	0.0
306	COD	E	ESTIMATE	^	0.1585632	0.1585632	0.0	0.0
240	Suspended Solids	E	ESTIMATE	^	0.0401184	0.0401184	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# : P0510 | Facility Name : Waterford Carpets Limited | Filename : P0510\_2017.xls | Return Year : 2017 |

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**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: Name and Licence/Permit No of Recover/Disposer	Haz Waste : Address of Next Destination Facility Non-Haz Waste: Address of Recover/Disposer	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					
Within the Country	15 01 04	No	3.896	metallic packaging	R4	M	Weighed	Offsite in Ireland	Molloy Metal Recycling,WP/08/14	,,,Enniscorthy,,,Ireland		
To Other Countries	16 03 05	Yes	7.0	organic wastes containing dangerous substances	R12	M	Volume Calculation	Abroad	INDAVER IRELAND LIMITED,IRE/AG040/08	Unit 11 South Ring Bus. Pk Kinsale Rd,,,Cork,,,Ireland Unit 14a Six Cross Roads Business Park Carrignard,,,Waterford City,,,Ireland	Afvalstoffen Terminal Moerdijk B.V.,,821780,Vlasweg,12,Moerdijk,4782 PW,Netherlands	Vlasweg,12,Moerdijk,4782 PW,Netherlands
Within the Country	20 01 01	No	2.47	paper and cardboard	R3	M	Weighed	Offsite in Ireland	Greenstar Limited,W0177-03 / WCP-KK-11-54-02	Unit 14a Six Cross Roads Business Park Carrignard,,,Waterford City,,,Ireland		
Within the Country	20 03 01	No	128.86	mixed municipal waste	D1	M	Weighed	Offsite in Ireland	Greenstar Limited,W0177-03 / WCP-KK-11-54-02	Carrignard,,,Waterford City,,,Ireland		

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