

ANNUAL ENVIRONMENTAL REPORT

2011

Waste Licence No.: W0029-04

Licencee: Offaly County Council.

Location of Activity: Derryclure Landfill,
Derryclure,
Tullamore,
Co. Offaly

Inspector: Dermot Burke
Office of Environmental Enforcement
Environmental Protection Agency
Seville Lodge
Callan Road
Kilkenny

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Introduction

Offaly County Council operates Derryclure Landfill Facility under the terms of Waste Licence WL 029-4. This Annual Environmental Report is compiled in accordance with Condition 11.7 and Schedule H of WL 029-4. This report covers the period 1st January 2011 to 31st December 2011.

Derryclure Landfill is located approximately 5 km from Tullamore town on the Tullamore-Killeigh road (National Secondary Road - N80). The landfill site is located on what was originally a cut-away peatland area. The Northern, Southern and Eastern sides of the landfill are bounded by raised peatlands while the Western side is bounded by pastoral land. Topographically, the Tullamore area is extensively low-lying, and as such is characteristic of the low lands of central Ireland. The land uses of the area are a mixture of peat extraction on the raised peatlands and agricultural use on the pastoral land.

The site has operated under the EPA Licensing regime since the 16 November 1999, when WL29-01 was issued. In October 2010, the EPA issued the Final Decision for WL29-04, which are the conditions under which the site now operates.

Items of note for 2011 include:

- Landfilling ceased at Derryclure Landfill in October 2011, at which time all cells were filled and pre-capping works on Cells 1A, 1B and 1C commenced.
- The gas extraction network on site was extended, with the addition of a further seven vertical wells in Cell 1C. Leachate extraction was also established in one of the wells.
- A second flare was commissioned on the site in December 2011, to increase the flaring capacity on the site.
- The Council continued to manage the site under the terms of the Waste Licence, as reflected in a further compliant EPA audit on 11th November 2011.
- Certification of all power distribution infrastructure on site was completed in 2011.

Waste Activities undertaken at the facility

Derryclure Landfill is licensed to accept household waste, commercial waste, industrial non-hazardous solids, sewage sludge and construction and demolition waste as per third schedule of the Waste Management Act 1996 and waste for recovery as per the Fourth Schedule.

The waste activities on the site can be sub-divided into three areas:

1. Disposal of waste in fully engineered lined cells from Jan – October 2011.
2. Reception area for waste at front of site, termed the Public Reception Area, where waste is deposited by the public into large skips, and these are transferred to the working face by Council staff. On 3rd October 2011, a private contractor commenced management of the Public Reception Area, with all waste now removed off site for further processing.
3. Civic Amenity Site (CAS) where segregated recyclable wastes, bio wastes and general wastes are accepted from the domestic sector.

Quantities of Waste received, disposed of and recovered in 2011

A. Wastes accepted for disposal:

Schedule A defines the quantities and categories of waste that may be accepted at the site. The table below illustrated the limits for each waste category, and the volumes of each accepted in 2011.

<i>Waste Type</i>	<i>Licence WL 29-04 (t)</i>	<i>Total waste accepted in 2011 (t)</i>
<i>Household Waste</i>	45,500	<i>85,081</i>
<i>Commercial Waste</i>	39,500	<i>10,296</i>
<i>Industrial – non haz</i>	11,000	<i>0.0</i>
<i>Treated Municipal Sludge</i>	2,000	<i>0.00</i>
<i>C & D</i>	2,000	<i>0.00</i>
Total	100,000	95,377

B. Waste Accepted for Recovery:

The wastes accepted for recovery relate to the waste accepted at the Civic Amenity Site and also the green waste accepted at the Public Reception area. Volumes for each waste stream are included in Appendix B, as part of the 2011 PRTR Return in Section 5 “*Off site Transfers of Waste*”.

Remaining capacity of the landfill site

The landfilling activity ceased at Derryclure landfill in October 2011. This approach was defined by an assessment of the viability of developing a new cell in the current waste market and economic climate. At present there is no built capacity on site, and there are no plans to develop further cells at this time.

Waste Handling and methods of deposition of waste

Municipal/Commercial Solid Waste

Waste handling and disposal practices include the weighing, inspection and recording of all wastes at the weighbridge office prior to disposal. The Site Manager and site staff ensure that the waste received at the site is in accordance with WL 029-04 and that the waste correlates with the description as supplied by the producer. Upon acceptance of the waste, drivers are directed to the working face where waste deposition takes place.

The compactor/loading shovel operator also conducts spot checks at the working face prior to disposal. Waste is deposited adjacent to the active cell, the compactor pushes the waste onto the working face and compacts the waste. The track machine shapes the sides of the working area, maintains previous slopes and manages the covering of the working face on a daily basis.

Cover is placed over the waste, with a synthetic membrane or 150 mm depth of cover on a daily basis and 300 mm at weekends. The cover comprises of a inert materials such as soil, peat and fines (EWC 19 12 12) and is managed in accordance with procedures.

Rejected loads resulting from weighbridge or staff inspections are directed to the designated quarantine area for further inspection. On the basis of the inspection, one of the following actions is initiated;

- Waste may be returned to the producer and tracked (evidence of disposal to be produced)
- Disposed off-site and tracked
- Disposed on site based on assessment by the Site Manager.

Records of rejected loads are maintained at the site office. Random inspections of incoming loads are also undertaken and recorded.

A drive-through wheel-wash is situated on the exit route from the landfill site, the use of which is compulsory for all vehicles leaving the site.

Public waste reception area

All waste, other than large vehicles, are directed to the Public Reception Area, where waste is transferred into a number of large skips in designated bays. This area is managed by Council staff on an ongoing basis, assisting customers, and advising them of the waste types acceptable and directing customers to the dedicated areas for General Waste, Green Waste, Food Waste and C&D Waste. The general waste stream was transported to the working face when operating, and since October 2011, this waste is removed off site for further processing. The remaining three streams continue to be managed as before, with this material removed off site for recovery/further processing.

Inert Waste

Inert wastes were recovered through their use as cover material and for the construction of hard standing areas and haul-roads on the site. Separate locations are provided near the active working area for soil, fines and clean C & D waste. As outlined above, since October 2011, all these materials are removed off-site.

Recyclables

The Civic Amenity Site (CAS) is operated by a private contractor, on behalf of Offaly County Council. Domestic customers, with recyclable waste, bio-waste and general waste may deposit these waste materials at the CAS to the front of the licensed site.

All wastes are managed by the contractor responsible for the site, with Waste Collection Permits available at the weighbridge office for all contractors removing waste from the site. Details of the authorised sites to which wastes are removed are also recorded.

Recyclables that are accepted at the site are as follows:

- Glass Bottles
- Plastic Bottles
- Plastic Packaging
- Cardboard
- Paper & Newspapers
- Glossy Magazines
- Household hazardous
paints/aerosols/
herbicides & pesticides
- Aluminum Cans
- Steel cans
- Scrap Metal
- Flat Glass
- WEEE
- Green Waste
- Waste oils
- Steel
- Bio-waste – food waste
- Timber
- Tetra-pak
- Clothes and Footwear
- Polystyrene
- Batteries
- Fluorescent and light
bulbs
- Tyres

General waste also accepted at the site.

Summary of Results of Environmental Monitoring

Monitoring was undertaken in accordance with the requirements of the licence in relation to the following environmental media:

Surface Water

- Surface Water – quarterly monitoring of six points. Samples taken were compared to the Class A1 limit of Surface Water Regulation.
- One incident reported in Quarter 4 monitoring with an exceedance in suspended solids at SW7 – see In-11-26.

Groundwater

- Groundwater is monitored quarterly at fourteen points, taking a level for the depth to water table and also analysing samples for parameters required under the licence.

Landfill Gas

- Landfill Gas is monitored monthly at eighteen points on the site, some of which are located within the waste body of the capped cell, and others along the perimeter of the site. Each monitoring episode has measured exceedances in the % Methane and/or % Carbon Dioxide at a number of sampling points each month. Incidents were reported to the Agency on each occasion with 9 incidents in 2011.

Gas Flare

- Monitoring of the flare was undertaken in accordance with the license requirements.
- There were 4 incidents relating to flare operation in 2011, relation to operational issues, power outage and weather impacts.

Dust

- Two exceedances were noted in relation to Dust Monitoring in 2011. The first at DM 07 in February/March when the monitoring jar was not in place, and a second exceedance DM 05 in May/June. Both were notified as incidents to the Agency.

Noise

- A noise survey was undertaken at pre-determined perimeter monitoring points on 17 & 18 August 2011.

Leachate

- Under the terms of the licence, the leachate lagoon temperature is monitored quarterly and sampled annually at three leachate wells and the leachate lagoon. All leachate is collected in the leachate lagoon, and tankered to Waste Water Treatment facilities.

Volume of leachate produced

In 2011, 21,113.068 tonnes of leachate were produced on the site. All leachate was tankered off site for treatment at Waste Water Treatment facilities.

Development works undertaken during the reporting period:

- Completed landfilling in cells 1A, 1B and 1C.
- Ceased landfilling on site, and revised management of the Public Reception Area, which is now managed by a private contractor, on the Councils behalf.
- The extension of the gas extraction and collection system, with the addition of seven vertical gas wells in Cell 1C, and a leachate extraction well also established in this area.
- Installed and commissioned an additional flare on site, to reflect the output of the gas extraction system and its management on site.
- Further improvements to haul road access to working face
- Secured and transported soil material to site, to prepare for upcoming capping works.

Summary of Incidents and Complaints

Recorded Incidents

There were twenty six incidents recorded during 2011, all of which were reported to the Agency. The breakdown of incidents is as follows:

Gas Monitoring (monthly)	9
Odour detected off-site	8
Flare	4
Dust	2
Leachate	1
Surface Water	1
High Winds	1

All details are available for inspection in the Incident Register, which is located in the Site Manager's Office at the facility.

Recorded Complaints

There were 150 complaints were received at the Derryclure facility during 2011, all of which related to odour. The table below provides a breakdown of complaints during the year.

January	15		July	8
February	27		August	5
March	34		September	4
April	8		October	11
May	1		November	18
June	9		December	10

All details are available for inspection in the Complaints Register, which is located in the Site Manager's Office at the facility.

Review of Nuisance Control

The landfill manager and site staff carry out assessments of nuisance control on a daily and weekly basis. Records of nuisances caused by litter, vermin, birds, flies, mud, dust and odours are maintained on site and are available for inspection at the site office.

Litter

The erection and maintenance of 4m high anti-litter netting has been very successful in controlling wind blown litter within the landfill site. Netting on site is managed by regular maintenance and landfill staff complete litter picks within the site as part of routine works. Compaction and covering of the waste also aids in preventing litter arising. All vehicles entering the site are required to have their loads covered to prevent any litter nuisances.

Vermin and Flies

Control of vermin on site is maintained by the management of bait boxes throughout the site. Records for same are maintained and are available on site for inspection.

Birds

There are a number of bird control measures employed on the site including a fixed Bird Stress Caller, Bangers, a hand held flare gun and a kite, all of which are operated at irregular intervals, to maximise their effectiveness.

Mud

The use of the wheel wash by all vehicles ensures the facility roads are kept free of mud. A road sweeper is also employed on a regular basis to clean access roads and hard standing areas.

Dust

A water bowser is used to suppress dust on the site, especially on roads and hard standing areas during extended periods of dry weather.

Odour

The Council is committed to the control and minimizing of odours arising from the site. Further gas extraction infrastructure was established in 2011 with a further seven vertical wells installed in Cell 1C, and an additional flare also commissioned on the site. Works in relation to management and improving cover also continued throughout the year.

Noise

Noise is managed through the regular maintenance of site plant equipment, traffic management with speed restrictions and ramps, and the managed use of the bird control measures.

Septic Tank Compliance Report

Both septic tanks on site at Derryclure Landfill are holding tanks and do not percolate to ground via either a soakway or percolation area. These tanks are emptied on a frequent basis by contractor and the waste is transferred to Tullamore WWTP.

Management of site

The management structure for Derryclure Landfill during 2011 was as follows:

Director of Services – Sean Murray

Senior Engineer - David Hogan

Executive Scientist - Marian Healy

On-site staff:

Site Manager – Basil Mannion

A/Site Foreman - Gerry Condron

Site Operators – Dave Mc Cabe, Brendan Monaghan, Eddie Kaye

Contracted staff – Greg Byrne and Eamonn Walsh

Review of EMP 2011:

Schedule of Objectives and Targets for Derryclure Landfill Site for 2011

OPERATION	TARGET	OBJECTIVE	OUTCOMES	Responsi -bility
1. All site activities	To ensure compliance with the Waste License	Conduct operations on site in accordance conditions of the Waste License	Site managed to ensure compliance with WL29-04. A further complaint audit in November 2011.	Site Manager
2. All activities, and particularly Cells 1A, 1B & 1C	To minimise any odour impacts from the facility	To further develop the gas management and extraction infrastructure, in consultation with the EPA Intend to install a gas extraction system on Cell 1C and conduct an extensive review of capping on site. Conduct a further VOC assessment to identify problem areas and ultimately reduce odours on site	Seven vertical wells established in Cell 1C, with leachate extraction also established in one of the wells in this area. Additional flare established on the site to increase the flaring capacity on site. Ongoing works on managing cover on the site, with regular measures taken to address areas which required further sealing works, additional cover etc.	Executive Scientist
3. Gas Extraction System	To ensure optimum performance, particularly in extreme weather conditions	Review of adequacy of insulation of the knock-out pot and ancillary pipe-work. Install a heat tracer on the gas analyzer and analyser pipework. Assessment on pipe gradient of gas extraction system with	Works completed with the installation of a larger knock-out pot and a heat tracer in the gas analyser. An assessment was completed in relation to the gas pipe gradients, and the pipes adjusted accordingly	Site Manger

		<p>recommendations to be carried out.</p> <p>Install a more effective knockout pot at Flare inlet.</p>		
4. Traffic Flow Management on site	Safe and efficient traffic movement within the site	Review traffic movement on site, and complete line marking on site	Traffic Management Plan completed and displayed at several location at the site.	Site Manger
5. Health & Safety	Management of Safety Statement	Review all risk assessments and implement any changes required	Health & Safety file updated in 2011	Site Manger
6. All site activities	To ensure litter is managed on the site and surrounding areas.	The prompt removal of any litter arising. Review the effectiveness and location of litter netting and litter-picks	Litter management included as an integral part of the daily checks and weekly site management.	Site Manager
7. Training Programme	To ensure all staff are appropriately trained	Training to be provided to all staff to address roles on site	Training provided and records maintained on site.	Site Manager
8. Wheel-wash Operation	Undertake servicing of wheel-wash facility	Servicing of wheel-wash operation facility to improve its effectiveness	Management contract established and works completed at scheduled intervals throughout 2011.	Site Manager

EMP 2012: Schedule of Objectives and Targets for Derryclure Landfill Site for 2012

1. Conduct operation on site in accordance with the schedules and conditions of the waste license
2. Continue to monitor and reduce odour emissions/impacts from the facility and install an additional gas well as part of the capping contract.
3. Completion of the capping works in Cells 1A, 1B & 1C.
4. Progress the assessment of viability of a Landfill Gas Utilisation Project for the site.

OPERATION	TARGET	OBJECTIVE	Review dates	Responsibility
1. All site activities	To ensure compliance with the Waste License	Conduct operations on site in accordance conditions of the Waste License	Ongoing ,2012	Site Manager
2.All activities, and particularly Cells 1A, 1B & 1C	To minimise any odour impacts from the facility	Complete the lining and capping works, installing an additional gas well during the works.	Ongoing 2012	Executive Scientist
3.Gas Extraction System	To ensure optimum performance, particularly in extreme weather conditions	Ongoing management of the gas field and flares, which will adjust based on the sealing impact of the capping works.	Ongoing 2012	Site Manger
5.Health & Safety	Management of Safety Statement	Ongoing Management of the H&S on site, including acting as PSCS for the capping project.	Ongoing,2011	Site Manger
6. Landfill Gas Utilisation	Development of Landfill Gas Utilisation at the site	Define the viability of the site for the utilisation of landfill gas, and options for energy provision.	Quarter 3, 2012	Executive Scientist

Appendix A

2011 PRTR submission

Guidance to completing the PRTR workbook

AER Returns Workbook

Version 1.1.13

REFERENCE YEAR 2011

1. FACILITY IDENTIFICATION

Parent Company Name	Offaly County Council
Facility Name	Derryclure Landfill
PRTR Identification Number	W0029
Licence Number	W0029-04

Waste or IPPC Classes of Activity

No.	class_name
3.5	Specially engineered landfill, including placement into lined discrete cells which are capped and isolated from one another and the environment.
3.1	Deposit on, in or under land (including landfill).
3.11	Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.
3.13	Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.
3.4	Surface impoundment, including placement of liquid or sludge discards into pits, ponds or lagoons.
3.7	Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced.
4.13	Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes).
4.2	Recycling or reclamation of metals and metal compounds.
4.3	Recycling or reclamation of other inorganic materials.
4.4	
Address 1	Derryclure and Killeigh
Address 2	Tullamore
Address 3	Co. Offaly
Address 4	
	Offaly
Country	Ireland
Coordinates of Location	-6.25685 53.5597
River Basin District	IEGBNISH
NACE Code	3821
Main Economic Activity	Treatment and disposal of non-hazardous waste
AER Returns Contact Name	Marian Healy
AER Returns Contact Email Address	mhealy@offalycoco.ie
AER Returns Contact Position	Executive Scientist
AER Returns Contact Telephone Number	057 93 57403
AER Returns Contact Mobile Phone Number	
AER Returns Contact Fax Number	057 9329230
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
5(d)	Landfills
5(c)	Installations for the disposal of non-hazardous waste
5(d)	Landfills
50.1	General

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?	

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

POLLUTANT		RELEASES TO AIR		Please enter all quantities in this section in KGs			
No. Annex II	Name	MIC/E	Method Used Description or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
01	Methane (CH4)	C	MAB Total gas arising less gas flared multiplied by 0.68 for CH4 Total gas arising less gas flared. Balance multiplied by 1.97 for CO2	1301715.2	2763430.4	0.0	1301715.2
03	Carbon dioxide (CO2)	C	MAB	4031880.8	8063761.8	0.0	4031880.8

SECTION B : REMAINING PRTR POLLUTANTS

POLLUTANT		RELEASES TO AIR		Please enter all quantities in this section in KGs			
No. Annex II	Name	MIC/E	Method Used Description 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

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

POLLUTANT		RELEASES TO AIR		Please enter all quantities in this section in KGs			
Pollutant No	Name	MIC/E	Method Used Description 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

Additional Data Requested from Landfill operators

Landfill:		Demycure Landfill	
Please enter summary data on the quantities of methane flared and / or utilised		T (Total) kg/Year	Facility Total Capacity m3 per hour
Total estimated methane generation (as per side model)	Methane flared	5586840.8	
Methane utilised in engines		417545.8	
Net methane emission (as reported in Section A above)		1301715.2	
			N/A
			N/A
			N/A

For the purpose 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 'Fugate' (KG/yr) for Section A. Sector specific PRTR pollutants above. Please complete the table below:

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

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

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

6 ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

FR109 W023 (Public Name: Catherine Lawlor) Form No: W023 (2014) (RTR) (Return Year: 2015)

08/07/2016 11:51

Please enter all quantities on this sheet in Tonnes

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Use Waste Name and Licence/Permit No. of Destination Facility (Use WFP/10-OY-0183-02 Name and Licence/Permit No. of Responder/Receiver)	Use Waste Name and Licence/Permit No. of Destination Facility (Use WFP/10-OY-0183-02 Name and Licence/Permit No. of Responder/Receiver)	Name and Licence / Permit No. and Address of Final Responder/Receiver (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Responder / Receiver (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used					
Within the Country	20 03 01	No	290.0	mixed municipal waste	R5	M	Weighed	Offsite in Ireland	Ozigen Environmental Ltd.WL 152-03	Robinhoo Industrial Estate,Robinhoo Road,Dublin 22,Ireland		
Within the Country	20 01 08	No	2.0	biodegradable kitchen and canteen waste	R3	M	Weighed	Offsite in Ireland	Ozigen Environmental Ltd.WL 152-03	Robinhoo Industrial Estate,Robinhoo Road,Dublin 22,Ireland		
Within the Country	20 02 01	No	211.0	biodegradable waste	R3	M	Weighed	Offsite in Ireland	Enrich Environmental JH - 200 5 - 074	Kilcock Co. Meath., Ireland		
Within the Country	15 01 01	No	82.0	paper and cardboard packaging	R3	M	Weighed	Offsite in Ireland	Ozigen Environmental Limited WL 208-02	Merrywell Ind Estate,Ballymount Road Lower Clonsilla,Dublin 22,Ireland		
Within the Country	20 01 01	No	142.0	paper and cardboard	R3	M	Weighed	Offsite in Ireland	Ozigen Environmental Limited WL 208-02	Merrywell Ind Estate,Ballymount Road Lower Clonsilla,Dublin 22,Ireland		
Within the Country	15 01 07	No	21.0	glass packaging	R5	M	Weighed	Offsite in Ireland	Rehab Glassco Ltd,WFP-KE-08-0957-01	Unit 4, Orlowstown Ind Park,Nasa Co. Kildare,Ireland		
Within the Country	20 01 02	No	14.0	glass	R5	M	Weighed	Offsite in Ireland	Rehab Glassco Ltd,WFP-KE-08-0957-01	Unit 4, Orlowstown Ind Park,Nasa Co. Kildare,Ireland		
Within the Country	15 01 04	No	7.0	metallic packaging	R4	M	Weighed	Offsite in Ireland	Multi Metals Recycling,WFP-WW-09-0014-01	Murrnough Wicklow Town Co. Wicklow,Ireland		
Within the Country	15 01 04	No	11.0	metallic packaging	R4	M	Weighed	Offsite in Ireland	Multi Metals Recycling,WFP-WW-09-0014-01	Murrnough Wicklow Town Co. Wicklow,Ireland		
Within the Country	20 01 40	No	58.0	metals	R4	M	Weighed	Offsite in Ireland	Multi Metals Recycling,WFP-WW-09-0014-01	Murrnough Wicklow Town Co. Wicklow,Ireland		
Within the Country	15 01 02	No	48.0	plastic packaging	R3	M	Weighed	Offsite in Ireland	Ozigen Environmental Limited WL 208-02	Merrywell Ind Estate,Ballymount Road Lower Clonsilla,Dublin 22,Ireland		
Within the Country	15 01 02	No	3.0	plastic packaging	R3	M	Weighed	Offsite in Ireland	Ozigen Environmental Limited WL 208-02	Merrywell Ind Estate,Ballymount Road Lower Clonsilla,Dublin 22,Ireland		
Within the Country	15 01 05	No	8.0	composite packaging	R3	M	Weighed	Offsite in Ireland	Ozigen Environmental Limited WL 208-02	Merrywell Ind Estate,Ballymount Road Lower Clonsilla,Dublin 22,Ireland		
Within the Country	20 01 10	No	12.0	clothes	R5	M	Weighed	Offsite in Ireland	Tastle Recycling Ltd,N/A	Estimate,Dublin 24,Ireland		
Within the Country	20 01 38	No	150.0	wood other than that mentioned in 20 01 37	R3	M	Weighed	Offsite in Ireland	Ozigen Environmental Ltd,WFP-10-OY-0183-02	Barnan,Dangan Co. Offaly,Ireland		
To Other Countries	18 08 01	Yes	0.48	lead batteries	R4	M	Weighed	Abroad	KMK Metals Ltd WL 184-01	Cappincur Road,Tullamore Co. Offaly,Ireland	H.J. Enthoven Ltd Lix # BL 5508 Darley Dale Smelter, South Darley,Matlock Derbyshire DE 4 2LP,United Kingdom	Darley Dale Smelter, South Darley,Matlock Derbyshire, DE 4 2LP,United Kingdom
Within the Country	18 08 04	No	1.53	alkaline batteries (except 18 08 03)	R4	M	Weighed	Offsite in Ireland	KMK Metals Ltd WL 184-01	Cappincur Road,Tullamore Co. Offaly,Ireland		
Within the Country	13 02 08	Yes	2.61	other engine, gear and lubricating oils	D9	M	Weighed	Offsite in Ireland	Envo Ireland Ltd WL 184-01	Cionnamh Ind Estate,Portlaoise Co. Laois,Ireland	Envo Ireland Ltd WL 184, Cionnamh Ind Estate,Portlaoise Co. Laois,Ireland	Cionnamh Ind Estate,Portlaoise Co. Laois,Ireland
To Other Countries	20 01 27	Yes	39.0	paint, inks, adhesives and resins containing dangerous substances	D10	M	Weighed	Abroad	Ozigen Environmental Limited WL 208-02	Merrywell Ind Estate,Ballymount Road Lower Clonsilla,Dublin 22,Ireland	12,PW Moordijk,4782,Netherlands	12,PW Moordijk,4782,Netherlands
Within the Country	18 01 03	No	1.0	end-of-life tyres	R5	M	Weighed	Offsite in Ireland	Crumb Rubber Ltd WFP-LH-10-0005-01	Moonstown Droimshán,Dundalk Co. Louth,Ireland		
Within the Country	17 08 02	No	19.0	gypsum-based construction materials other than those mentioned in 17 08 01	R3	M	Weighed	Offsite in Ireland	Ozigen Environmental Limited WL 208-02	Merrywell Ind Estate,Ballymount Road Lower Clonsilla,Dublin 22,Ireland		
Within the Country	20 01 21	Yes	0.62	fluorescent tubes and other mercury-containing waste	R4	M	Weighed	Offsite in Ireland	KMK Metals Ltd WL 184-01	Cappincur Road,Tullamore Co. Offaly,Ireland		
Within the Country	08 03 13	No	0.04	03 12	R5	M	Weighed	Offsite in Ireland	Brian Keogh Ltd WFP 03/08	Bangalstown Co. Carlow,Ireland		
Within the Country	20 03 01	No	448.68	mixed municipal waste	R5	M	Weighed	Offsite in Ireland	Ozigen Environmental Ltd.WL 152-03	Robinhoo Industrial Estate,Robinhoo Road,Dublin 22,Ireland		
Within the Country	17 01 07	No	15.58	mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06	R5	M	Weighed	Offsite in Ireland	Ozigen Environmental Limited WL 208-02	Merrywell Ind Estate,Ballymount Road Lower Clonsilla,Dublin 22,Ireland		
Within the Country	20 02 01	No	3.0	biodegradable waste	R3	M	Weighed	Offsite in Ireland	Enrich Environmental JH - 200 5 - 074	Kilcock Co. Meath., Ireland		
Within the Country	17 02 01	No	7.48	wood	R3	M	Weighed	Offsite in Ireland	Ozigen Environmental Ltd,WFP-10-OY-0183-02	Barnan,Dangan Co. Offaly,Ireland		
Within the Country	20 01 40	No	5.32	metals	R4	M	Weighed	Offsite in Ireland	Multi Metals Recycling,WFP-WW-09-0014-01	Murrnough Wicklow Town Co. Wicklow,Ireland		
Within the Country	19 07 03	No	21113.06	landfill leachate other than those mentioned in 19 07 02	D9	M	Weighed	Offsite in Ireland	Tullamore Waste water Treatment Plant,D0039-01	Kilcurtin,Tullamore Co. Offaly,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