

TED O' DONOGHUE & SONS WASTE DISPOSAL
KNOCKPOGE, WATERFALL, Co. CORK

ANNUAL ENVIRONMENTAL REPORT

Period: January 2015 - December 2015

Waste Licence Register Number:	W00214-1
Licensee:	Ted O' Donoghue & Sons Limited
Location of Facility:	Knockpoge, Waterfall, County Cork

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1. INTRODUCTION

This Annual Environmental Report (AER) for Ted O' Donoghue & Sons Limited covers the reporting period January 2015 to December 2015. Ted O' Donoghue & Sons received a waste licence (Register Number W214-1) on 26th September 2005. The AER has been prepared in compliance with Condition 11.10 of the Waste Licence.

The content of the AER is based on Schedule D of the Waste Licence and the report format follows guidelines set in the "Draft Guidance on Environmental Management Systems and Reporting to the Agency" issued by the Environmental Protection Agency (Agency). The Waste Licence allows *the facility* to accept Commercial, Household and Construction and Demolition non-hazardous waste on-site and recovered from the incoming waste streams. The various waste streams are processed and stored on-site pending removal to authorised off-site recycling and disposal facilities. The annual licensed waste throughput is limited to 23,000 tonnes.

2. MANAGEMENT OF THE FACILITY

2.1 Management of the Activity

The site is managed and operated by O' Donoghue family. Details of the management structure for the facility were submitted to the Agency as part of the Environmental Management Programme in March 2006.

2.2 Environmental Management System

An Environmental Management System (EMS) is in operation for the site and is updated annually in accordance with site requirements and conditions, as required under Condition 2.2 of the Waste Licence.

2.3 Environmental Management Programme

The objective of the EMP is to act as the site manual, which will assist the site in achieving its objectives and targets during the current and future operation of the site. The EMP has been prepared and was submitted to the Agency in March 2006.

3. NOTIFICATION AND RECORD KEEPING

3.1. Information stored on-site

All copies of environmental data and prescribed reports obtained and prepared on behalf of the licensee are forwarded to the Agency. Copies of reports and correspondence are retained and available for inspection at the reception building.

The facility provides the following documentation to view:

- Waste Licence 214-1
- Waste Licence Application form
- Periodic reports
- All monitoring records
- Waste transfer and acceptance dockets
- Incident/Complaints reports
- Once-off reports submitted to the agency
- Rejected loads log
- Agency correspondence, EPA approvals and request for additional information
- Monitoring personnel, experience and training
- Audit records
- Rejected load, compliance, integrity of bunds
- Daily Site Log

- Weekly site inspection forms
- Surface Water Inspection forms

3.2. Waste Records

Records of all waste loads entering and leaving the site is kept electronically by the weighbridge operator. Details such as date, time, origin, waste type, contractors name, waste collection permit number, quantities and vehicle registration number are recorded. Waste records are contained in Appendices I.

All waste materials accepted at the site are recorded on two separate documents, including a waste transfer document and a computer printout of the waste accepted. The following details are recorded:

Computer Printout:

- ◆ Ticket Number/Transaction Number
- ◆ Customer code
- ◆ Operator / driver signature
- ◆ Net weight
- ◆ Vehicle Registration Number
- ◆ Contractor Name
- ◆ Waste Code for site
- ◆ Waste Type
- ◆ Name of person who checked load
- ◆ Waste Source
- ◆ Accepted or rejected status
- ◆ Weight entering and weight of container leaving site

Waste Transfer Docket includes additional headings of:

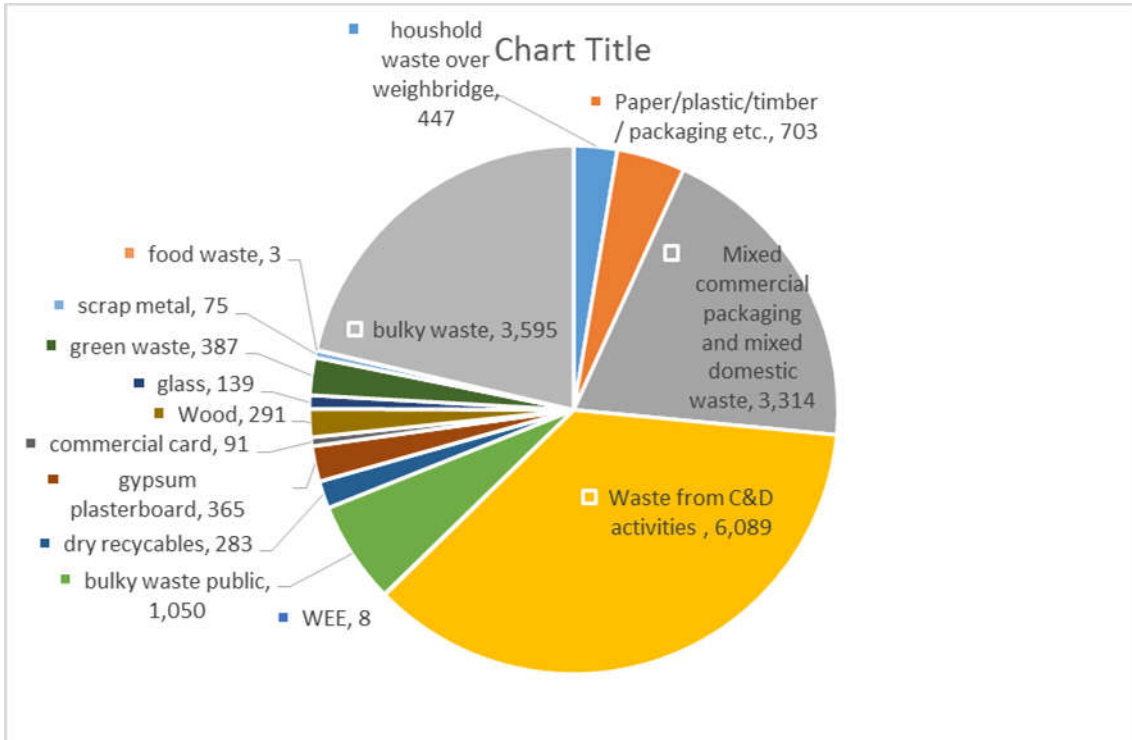
- ◆ How waste is contained
- ◆ European waste catalogue number
- ◆ Physical description
- ◆ Odour/Description of odour
- ◆ Special problems/requirements of waste
- ◆ Knowledge with regard to waste
- ◆ Waste Producer
- ◆ Waste Collection Permit Number

All waste records are retained at the site office.

3.3. Report on Waste Recovery

The waste volumes received at the facility have reduced significantly since 38,331 tonnes were received at the facility in 2008. In 2015 a total of 116,876 tonnes of waste were received at the facility.

Figure 3.1 Waste Tonnes Removed from Facility in 2015



3.4. Register of Complaints

Details of all complaints made by the public are recorded in a Complaints Register. Complaints can be registered by contacting the facility manager or staff at the site. The register includes the name of the complainant, the nature of the complaint, the date of the complaint and the actions taken to remedy the complaint. The facility manager signs off the completed form. Operational Procedure 9.3 details the recording of complaints.

3.5. Complaints summaries

No complaints were received by the facility manager during the reporting period.

3.6. Summary of Resource & Energy Consumption

Table 3.1 presents an estimate of the resources used on-site during the reporting period.

Table 3.1: Estimate of Resources Used On-Site

Resources	Quantities
Diesel	28,000 litres
Hydraulic and Engine Oil	88 litres
Disinfectant	3 litres(concentrate)
Truck Wash Detergent	25 litres
Electricity	6,400 KWH

3.7. On-site Procedures

Current procedures relating to the handling and storage of waste are being developed and will be forwarded to the Agency when completed.

4. ENVIRONMENTAL MONITORING SUMMARY

The following is a summary of the noise, dust, and groundwater quality monitoring and monitoring carried out at the site during 2015.

4.1. Noise Monitoring

The following are the details of the survey as carried out at Ted O' Donoghue and Sons Ltd premises on the 7th July 2015.

The following is a description of the noise sensitive locations monitored during the noise survey and the sources of noise in the area at the time.

The following is a description of the noise sensitive locations monitored during the noise survey and the sources of noise in the area at the time.

Table 4.1: Monitoring Locations

<u>Monitoring Location</u>	<u>Description</u>
N1	<u>Adjacent O Donoghue family residence</u>
N2	<u>South east corner of site adjacent transfer station and workshop</u>
N3	<u>North west corner of site, close to trailer parking area</u>
N4	<u>North east corner of site, close to timber shredder</u>
N5	<u>At sensitive dwelling, north east of site</u>

The results of the noise monitoring at locations N1-N5 is presented in Table 4.2.

Table 5.1 Daytime Noise Monitoring Survey Results

Monitoring Location	Date/Time	L_{Aeq, 30min} dB(A)	L_{A90, 30min} dB(A)	L_{A10, 30min} dB(A)	Comments
	07/07/2015				
N1 Day	09:17-09:37	62.2	43.2	64.3	Local traffic, no site noise
	09:37-10:07	58.3	45.6	60.5	
	10:07-10:37	59.4	46.6	60.4	
N2 Day	11:12-11:42	58.5	50.4	60	Vehicle movements in yard. Noise from transfer building.
	11:42-12:12	57.2	51.6	58.6	
	12:12-12:42	62.5	49.7	63.2	
N3 Day	09:31-10:01	58.2	49	60.3	Noise from transfer building, site truck movements
	10:01-10:31	59.1	48.4	61.1	
	10:31-11:01	60.2	52.6	62.5	
N4 Day	11:19-11:49	60.6	46.6	62.1	Traffic on local road, no site noise
	11:49-12:19	59.6	44.5	61.3	
	12:19-12:49	58.8	47.6	60.5	
N5 Day	13:04-13:34	58.9	44.5	60.5	Traffic on local road, light winds, no site noise
	13:34-14:04	59.2	43.8	61.3	
	13:04-14:34	63.5	46.4	65.4	

Measurements at location N1 were recorded close to the O' Donoghue family residence adjacent to the entrance to the facility. Intermittent traffic noise from the public road contributed to the ambient levels.

Site vehicle movements and the mechanical grab within the transfer station building contributed to the ambient noise at N2/N3. The average noise levels were recorded in the range 57dB(A) to 60dB(A).

The noise from the facility was not considered a major source at locations N4 and N5. Intermittent traffic movements were the main noise source.

From the above it can be concluded that the O' Donoghue waste transfer facility is in compliance with the requirements of the waste licence for the facility. The facility is not a source of nuisance to surrounding sensitive areas. All waste segregation activity takes place within the waste transfer building. Truck movements are the main noise associated with the operation of the business.

4.2. Dust Deposition Monitoring

The dust gauges were set up at the locations D1, D2, D3 and D4 as listed in Table E.2.2 of the waste licence. The gauges were erected such that the containers were 1.8m above the ground surface and free from any obstruction. The containers were exposed from 7th July to 5th August.

The second round of sampling was conducted from 5th August to 8th September.

- D1: This sample location is sited on the western boundary of the site close to the O' Donoghue family residence.
- D2: This sample location is positioned at the south-east corner of the site close to the workshop and transfer building.
- D3: This sample location is at the north-western side boundary
- D4: Located at the north-eastern corner of the facility

The results of the dust monitoring event are outlined in the table below.

Table 2: Dust Monitoring Results

Location	Total Dust mg/m ² /day	
	7 th July to 5 th August	5 th August to 8 th September
D1	212	142
D2	97	141
D3	122	93
D4	134	158

CONCLUSIONS:

The results of the both rounds of dust monitoring at the 4 locations are within the conditions stated in the EPA licence for the facility.

Table 5.1: Schedule of Objective and Targets 2016

No.	2014 Objective	Target	Responsibility	Timescale
1	Carbon footprint reduction	Seek alternative local location for disposal of rainwater run-off from the site to save transport to Athy WWTP and reduce the carbon footprint for the long distance travel.	Facility Manager	2016
2	Maintain site infrastructure	Test storage tanks for integrity and tightness	Facility Manager	August 2016
3	Maintain and improve the EMS	Continue to hold quarterly and annual Environmental management review meetings at the site.	Environmental Compliance Manager	2016

4.3. Waste Management Activities

The facility is licensed to accept the following waste types as specified in Schedule A of the Waste Licence: -

- Household,
- Commercial,
- Construction & Demolition,
- Industrial Non-Hazardous Solids

Hazardous waste is not accepted at the facility, with the exception of small quantities of machinery batteries that inadvertently arrive in waste deliveries. Such batteries are stored in a designated skip pending collection by an off-site recycling organisation. Any other materials suspected either to be hazardous or not acceptable under licence conditions (e.g. gas cylinders, sheets of asbestos) are temporarily stored on-site in the waste quarantine area, before removal off-site for treatment/disposal at an appropriate facility.

4.3.1. Household and Commercial Waste Containing Putrescible Materials

Household and commercial wastes (originating in factories, hotels, pubs and supermarkets) containing an organic fraction are either deposited on the floor of the transfer building, or tipped directly into open trailers. All the household waste deposited on the floor is either pushed into an open trailer, or compacted for removal off-site for disposal at an off-site landfill, as agreed with the Agency. The commercial waste is inspected and segregated into recyclable cardboard, bottles, domestic waste, or compactor waste (supermarkets are generally the main origin of this waste). All uncontaminated cardboard and plastic packaging material, which is suitable for baling, is collected for recycling. Drink cans are collected, baled and stored on-site pending removal off-site for recycling. Glass bottles, which are either segregated prior to arrival on-site or deposited at the civic amenity area, are stored on-site pending removal for recycling off-site.

4.3.2. Non Putrescible Household and Commercial Waste

Non putrescible household wastes, arising from the kerbside collection, and non putrescible commercial/industrial waste is deposited onto the floor of the transfer building and inspected for disposable and/or recoverable fractions. Non-recyclable/recoverable waste is stored within the building before transfer for disposal to an off-site landfill, as agreed with the Agency.

4.3.3. Construction and Demolition Waste

All construction and demolition waste is inspected to determine if it is suitable for transfer and/or recovery. Wood and metal are separated using a mechanical grab and subsequently removed off-site to approved recovery/recycling facilities. The residual material is passed through a trommel to remove the fine fraction containing subsoil and topsoil. This material is either used on-site for restoration purposes, or is sold for agricultural and/or horticultural purposes. The heavy fraction from the trommel

containing concrete, brick etc is then passed through the crusher to produce a crushed inert aggregate.

4.3.4. Wood, Timber Waste

Wood delivered to and recovered on-site is shredded and removed off-site for disposal.

4.3.5. Other recovery Infrastructure

External storage bays are located at the facility for storing waste recovered for recycling. Concrete storage bays for soil, rubble green waste and chipped wood are located at the north east of the facility. At the south-west of the waste transfer building there will be bays for glass and scrap metal and also a quarantine area for white and electrical goods.

4.4. Quantity & Composition of Waste Recovered

Details of the quantities of waste recovered are contained in Appendix I.

5. REPORT ON ENVIRONMENTAL NUISANCES & CONTROLS

The site is inspected daily and weekly by the manager and recorded on separate inspection sheets as required by Condition 8.10. The daily inspection sheet records environmental nuisances such as flies, loose litter, vermin, birds, odour, dust, fires and complaints. The sheet also provides for the recording of descriptions of works on the day of inspection and provides for comments and required actions.

5.1. Litter Control

Litter picking is carried out daily and as required. Daily and weekly inspection sheets are maintained at the site office. The site manager carries out daily litter inspection in the area surrounding the waste transfer station. An overhead CCTV camera is located at the weighbridge to enable inspection of loads brought to the facility. The weighbridge operator inspects each load brought to the facility and ensures that they are covered with appropriate netting.

Weekly inspection sheet provides for the recording of nuisances as well as site security, infrastructure and housekeeping.

A road sweeper vehicle attachment has been procured for use on the site and for local access roads when required.

5.2. Odour Control

Operations at the waste transfer facility involve the transfer and compaction of solid waste only. No liquids, agricultural or sewage sludges will be accepted at the site.

Waste accepted at the facility will have generally undergone relatively little decomposition. The storage of waste in sealed containers following compaction and

fast turnaround times on site means that the potential for odour problems arising at the facility will be minimised.

5.3. Dust Control

In dry weather all site access roads will be sprayed with a water bowser to suppress dust. To minimise dust generation traffic restrictions on the site will be implemented including a speed limit of 15 mph. Dust deposition monitoring at the site show that present dust emissions are unlikely to cause a nuisance.

However management propose to implement the following mitigation measures:

- Sprinkling water by applying a fine water mist over dusty waste as it's unloaded inside the transfer building
- Covering/dampening any external dusty waste stockpiles of C&D waste
- Sweeping and washing down the transfer building floor regularly
- Using a road sweeper on the facility yard and local road during dry weather

Dust deposition levels were recorded twice a year using Bergerhoff gauges, during the period May to September.

5.4. Noise Control

Noise measurements have been recorded annually at the facility since 2003. The results from the monitoring indicate that noise from the facility is not a source of nuisance outside the perimeter of the facility. The doors of the waste transfer building remain closed during trommeling of waste. There have been no reports of noise nuisance complaints made to the facility manager.

Noise levels will continue to be monitored annually at locations. The L_{Aeq} , L_{A10} and L_{A90} are monitored at each location for a thirty-minute duration.

APPENDIX I

PRTR WASTE TRANSFR DATA



[Guidance to completing the PRTR workbook](#)

PRTR Returns Workbook

Version 1.1.19

REFERENCE YEAR	2015
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1. FACILITY IDENTIFICATION

Parent Company Name	Ted O'Donoghue & Sons Limited
Facility Name	Ted O'Donoghue and Sons Limited
PRTR Identification Number	W0214
Licence Number	W0214-01

Classes of Activity

No.	class_name
-	Refer to PRTR class activities below

Address 1	Knockpogue
Address 2	Waterfall
Address 3	
Address 4	
Country	Cork
Country	Ireland
Coordinates of Location	-8.59891 51.8388
River Basin District	IESW
NACE Code	3821
Main Economic Activity	Treatment and disposal of non-hazardous waste
AER Returns Contact Name	Pat Power
AER Returns Contact Email Address	ppower@glenerv.ie
AER Returns Contact Position	Consultant
AER Returns Contact Telephone Number	021-4810016
AER Returns Contact Mobile Phone Number	021-4810016
AER Returns Contact Fax Number	021-4810016
Production Volume	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	20
User Feedback/Comments	
Web Address	

2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
5(c)	Installations for the disposal of non-hazardous waste
5(c)	Installations for the disposal of non-hazardous waste
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?	

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)?	
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This question is only applicable if you are an IPPC or Quarry site

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

[PRTR# : W0214 | Facility Name : Ted O'Donoghue and Sons Limited | Filename : W0214_2015.xls | Return Year : 2015]

25/07/2016 9:34

Please enter all quantities on this sheet in Tonnes

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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	16 01 03	No	7.0	end-of-life tyres	R5	M	Weighed	Offsite in Ireland	Crossmore Transport,wcp-ck-11-1309	.....Ireland		
Within the Country	17 05 04	No	228.0	soil and stones other than those mentioned in 17 05 03	R5	M	Weighed	Offsite in Ireland	Finbarr O'Neill,CKWMC 536-08	Ovens,Cork,....Ireland		
Within the Country	17 05 04	No	5387.0	soil and stones other than those mentioned in 17 05 03	R5	M	Weighed	Offsite in Ireland	Conhor Construction,14-037-01	Aherla Beg,Aherla,Cork,....Ireland		
Within the Country	17 05 04	No	746.0	soil and stones other than those mentioned in 17 05 03	R5	M	Weighed	Offsite in Ireland	David Crowley,CK-10-00-26	Bandon,.....Ireland		
Within the Country	17 05 04	No	236.0	soil and stones other than those mentioned in 17 05 03	R5	M	Weighed	Offsite in Ireland	Kevin McCarthy,NW13-11181	....Bandon,....Ireland		
To Other Countries	17 08 02	No	0.0	gypsum-based construction materials other than those mentioned in 17 08 01	R5	M	Weighed	Abroad	Baron recycling,BRL,LN09/113	Bellshill Road Castledawson ,.....Ireland		
To Other Countries	17 08 02	No	0.0	gypsum-based construction materials other than those mentioned in 17 08 01	R5	M	Weighed	Abroad	New West Recycling,EAWML/26190	St Andrews Road, ..Bristol,BS11 9HW,United Kingdom		
To Other Countries	17 08 02	No	685.0	gypsum-based construction materials other than those mentioned in 17 08 01	R5	M	Weighed	Abroad	MCNabb Waste Management,LN09/M	....Downpatrick,Co. Down,United Kingdom		
Within the Country	19 08 01	No	0.0	screenings	D2	M	Weighed	Offsite in Ireland	Lehane Environmental,CK08=574	....Little Island,Cork,Ireland		
Within the Country	19 12 01	No	141.0	paper and cardboard	R3	M	Weighed	Offsite in Ireland	Panda Waste,CKWMC 381-08	.....Ireland		
Within the Country	19 12 02	No	29.0	ferrous metal	R11	M	Weighed	Offsite in Ireland	Ted Murphy,??	....Bandon,Ireland		
Within the Country	19 12 03	No	197.0	non-ferrous metal	R5	M	Weighed	Offsite in Ireland	ATOA Recycling,.	.....Ireland		
Within the Country	19 12 03	No	22.0	non-ferrous metal	R5	M	Weighed	Offsite in Ireland	Pouladuff Dismantlers,CKWMC 146/04	Pouladuff Road,Forge Hill Cork,....Ireland		
Within the Country	19 12 03	No	69.0	non-ferrous metal	R5	M	Weighed	Offsite in Ireland	National Recycling,CKWMC1462/04	.....Ireland		
Within the Country	19 12 03	No	0.0	non-ferrous metal	R5	M	Weighed	Offsite in Ireland	Dillon Waste,.	Tralee,Co. Kerry,....Ireland		
Within the Country	19 12 04	No	17.0	plastic and rubber	R11	M	Weighed	Offsite in Ireland	Munster Polymers,W/F Recycling,.	....Cork,....Ireland		
Within the Country	19 12 04	No	10.0	plastic and rubber	R5	M	Weighed	Offsite in Ireland	Filmco Polymers,WFPST1000303	....Carrick on Suir,Tipperary,Ireland		
Within the Country	19 12 05	No	109.0	glass	R5	M	Weighed	Offsite in Ireland	Glassco,.	Naas,Co Kildare,....Ireland		
Within the Country	19 12 07	No	414.0	wood other than that mentioned in 19 12 06	R5	M	Weighed	Offsite in Ireland	Eirbloc,.	Macroom,.....Ireland		
Within the Country	19 12 07	No	1.0	wood other than that mentioned in 19 12 06	R5	M	Weighed	Offsite in Ireland	Cork Recycling,.	....Cork ,...Ireland		
Within the Country	19 12 07	No	401.0	wood other than that mentioned in 19 12 06	R5	M	Weighed	Offsite in Ireland	Ormonde Organics,14-113-03	Foxhole,Youghal, ..Co.Cork,Ireland		
Within the Country	19 12 07	No	18.0	wood other than that mentioned in 19 12 06	R5	M	Weighed	Offsite in Ireland	Acorn Recycling,Wo-249-01	Horse & Jockey,Thurles,Tipperary,....Ireland		
Within the Country	19 12 12	No	0.0	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11 discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components	D14	M	Weighed	Offsite in Ireland	Dillon Waste,.	Tralee,Co. Kerry,....Ireland		
Within the Country	20 01 35	Yes	55.0	components	R4	M	Weighed	Offsite in Ireland	KMK Metals,W0113-02	.....Tullamore ,Ireland	KMK Metals,W0113-02,.....Tullamore,Ireland	KMK Metals,.....Ireland
Within the Country	20 02 01	No	452.0	biodegradable waste	R10	M	Weighed	Offsite in Ireland	CTO Recycling,.	Cork,.....Ireland		
Within the Country	20 03 01	No	2527.0	mixed municipal waste	D15	M	Weighed	Offsite in Ireland	Dollin Waste,.	Tralee,Co. Kerry,....Ireland		
Within the Country	20 03 01	No	353.0	mixed municipal waste	D13	M	Weighed	Offsite in Ireland	Dillon Waste,.	Tralee,Co. Kerry,....Ireland		
Within the Country	17 05 04	No	163.0	soil and stones other than those mentioned in 17 05 03	R5	M	Weighed	Offsite in Ireland	Thomas Aherne,WFCP 10-00-53	ballineen,bandon,....Ireland		
Within the Country	19 12 12	No	1143.0	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	D14	M	Weighed	Offsite in Ireland	Panda Waste,CKWMC 381-08	.....Ireland		
Within the Country	19 12 12	No	361.0	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	D14	M	Weighed	Offsite in Ireland	Dillon Waste,.	Tralee,Co. Kerry,....Ireland		
Within the Country	20 03 01	No	260.0	mixed municipal waste	D15	M	Weighed	Offsite in Ireland	Glanway,WFP-KK-14-0002	Belview Port,.....Ireland		
Within the Country	20 03 07	No	2949.0	bulky waste	D14	M	Weighed	Offsite in Ireland	Waste Recovery Services,W0107-01	Cullenagh,Fermoy,....Cork,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](#)

[Link to Waste Guidance](#)