



Head office: Beauparc Business Park, Navan, Co. Meath

Waste Licence Number W0140-04

Annual Environmental Report

01st January 2017 – 31st December 2017

Drafts & Revisions

Date	Status	Prepared By	Reviewed By
28/03/2018	Draft	Darragh Mink	David Naughton.
31/03/18	Draft	Darragh Mink	David Naughton.
03/04/18	Final	Darragh Mink	David Naughton.

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1.0 Introduction

Panda were granted their third EPA Waste Licence W0140-04 on the 8th September 2016. This replaces the previous Licence W0140-03. Under this licence, Panda are permitted to process 250,000 tonnes per annum. Appendix A illustrates the current site layout.

1.1 Company details

Licence No: W0140-04

Name: Nurendale

Address: Rathdrinagh
Beauparc
Navan
Co. Meath

Telephone Number: 1890 626262

Fax Number: 046 9024189

Website: www.panda.ie

1.2 Management Structure

Eamon Waters is the Managing Director of Panda. Robert Waters and Brian McCabe are the company's directors. David Naughton is the Environmental Manager. Darragh Mink is the EHS officer on site. Dermot O'Brien is the facility manager. There are approximately 120 employees either working directly or indirectly at the facility. Appendix B illustrates the organisational structure of the facility.

1.3 Financial Provision

Costing's for both CRAMP and ELRA has been agreed with the Agency and the surety for financial provision is approved by the Agency.

1.4 Environmental Policy

In carrying out our function, Panda acknowledge that our activities impact upon the environment both through routine internal operations and the actions of our staff.

It is Panda's policy to protect the environment during all activities, both on and off-site.

This is achieved by:

- Strategic preparation and implementation of operating procedures (including an emergency response procedure).
- Utilizing BAT (Best Available Technology).
- Actively promoting environmental awareness amongst staff and clients through appropriate training and communication programs.
- Reduce energy use through effective education and awareness and the installation of energy efficient technology where appropriate.
- Implementing a policy of continuous improvement, by means of targeted objectives. All objectives and targets are monitored and up-dated accordingly.

Panda are committed to complying with all relevant environmental regulations and aim to supply a safe competitive and sustainable service with specific regards to the surrounding environment.

1.5 Activities

Under the waste licence W0140-04, Panda are licenced to conduct the following activities:

- Class 11.4
 - (b) Recover, or mix of recovery and disposal, of non-hazardous waste with a capacity exceeding 75 tonnes per day involving one or more of the following activities, (other than activities to which the Urban Waste Water Treatment Regulations 2001 (S.I. No. 254 of 2001) apply):
 - I. Biological treatment;

- II. Pre-treatment of waste for incineration or co-incineration;
 - III. Treatment of slags and ashes
 - IV. Treatment in shredders of metal waste, including waste electrical and electronic equipment and end-of-life vehicles and their components.
- Class 11.1
The recovery or disposal of waste in a facility, within the meaning of the Act of 1996, which facility is connected or associated with another activity specified in this Schedule in respect of which a licence or revised licence under part IV is in force or in respect of which a licence under the said Part is or will be required.

Panda provide a waste collection service for the domestic, commercial and industrial sectors throughout Ireland.

The facility normal operating hours are 8am-6:30pm (Monday-Friday) & 9am-1pm (Saturdays). The facility is licensed to accept non-hazardous wastes only and to operate a civic amenity facility.

1.6 Waste Activities carried out at the Facility

Waste accepted and dispatched at the facility is weighed using AMCS's Software WIMS Panda operate three different sheds for processing the different waste streams. Waste accepted into Building 1 includes Dry waste for SRF production and DMR storage for bulking.

Building 2 is used to segregate the C&D waste entering the site using a Feed hopper, M&K Screener, Ni-hot double drum wind-shifter, magnet, ballistic separator and a picking line to recover ferrous and non ferrous metals, rubble, timber and C&D fines. The lights fraction is sent to Building 3 for SRF production. Shovels are used to load the hopper and a grab is used to pick out large pieces of steel, wood etc and load the waste for outward movement.

Panda produce SRF in building 3. The process involves the use of Magnets, Eddy Currents, trammel, flip slop screener, one Single Drum Separators and Shredder to produce SRF material suitable as a fuel substitute in Cement Manufacturing Plants.

1.7 Water Usage:

Water is extracted from 2 wells on site and stored in a water storage tank. Water for office and amenities use is taken from public supply and is metered by the council. All other water used on site is taken from the water storage tank. For emergency purposes there is an over ground water storage tank with ring mains.

Water from the storage tank used on site consists of:

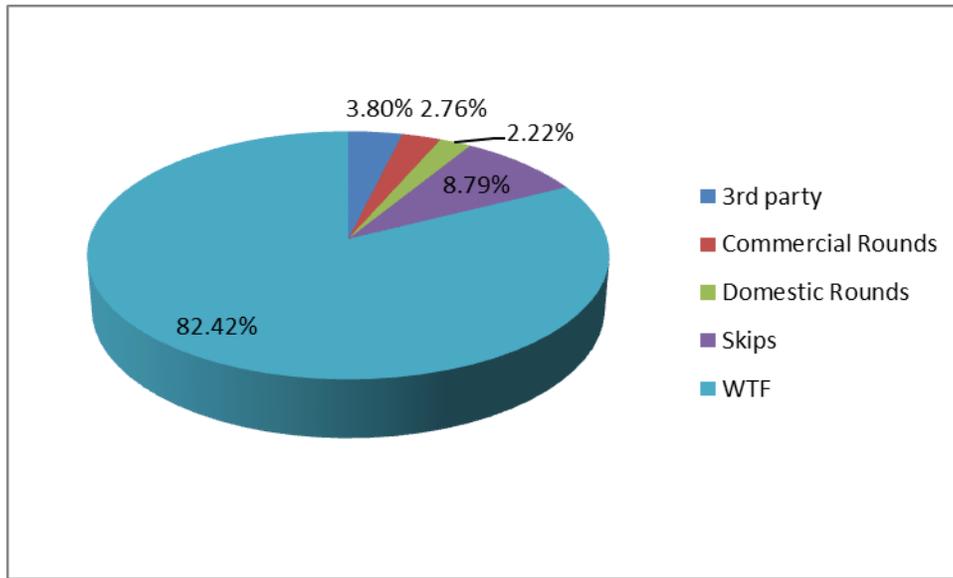
- In-house road sweeper.
- Dust suppression systems
- Hoses on site for dust suppression.
- Sprinkler system on biofilter and in-vessel compost tunnels.
- Truck wash.
- Fire Fighting Equipment.

2.0 Summary Information

2.1 Waste Received

The waste received at the facility for 2017 was 202,319.693tonnes. From the pie chart (Fig 1) it is evident that waste from a Waste Transfer Station is the largest source of waste accepted.

Fig. 1: Waste accepted at the facility by Customer profile



2.2 Waste Transferred Off-Site for Disposal or Recovery

See Appendix C for the breakdown of the different destinations used for the waste accepted at the facility and waste removed off site by EWC Code.

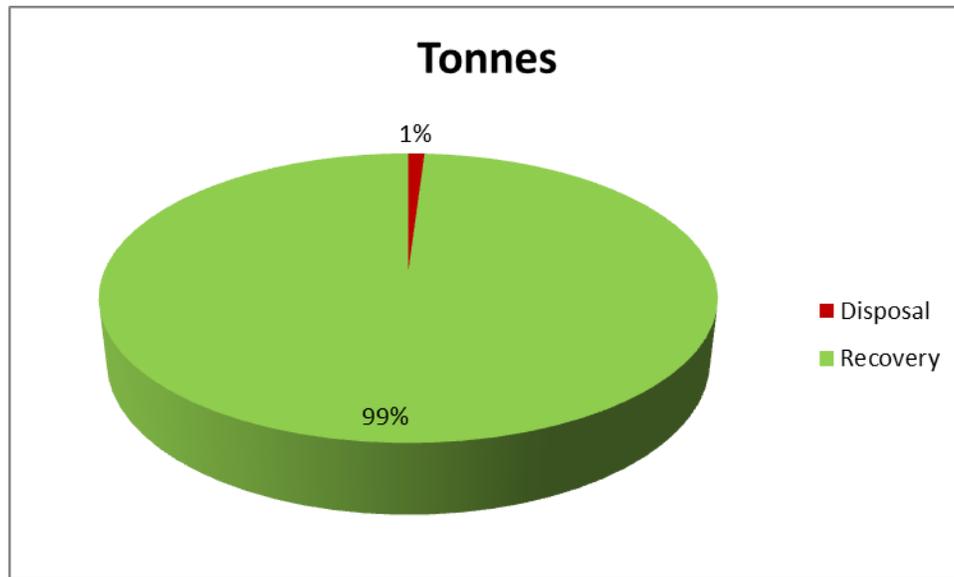
2.3 Waste Recovery Reports

To contribute to the Landfill Directive, Panda operates a shredder, trommel, Eddie current, flip flop & magnet to remove recyclable/recoverable material from the waste thereby reducing the need for dependence on landfill

Panda applied to the Agency for a review to our current Waste Licence (W0140-03) in September 2009. This review was submitted to the Agency, so that Panda can produce a SRF/RDF product from the residual waste previously sent to Landfill. Panda also reviewed the licence for the purpose of constructing an Anaerobic Digestion/Composting plant. Panda have rolled out a source segregated collection service for biodegradable waste for both household and commercial customers. Panda have applied for a review of the waste licence W0140-04. It is hoped that this review will allow the facility to process Incinerator Bottom Ash to extract metals prior to movement to landfill.

Panda process mixed C&D waste in building 2, this includes a trommel, magnet, wind shifter and a picking line so as to divert as much C&D waste away from landfill as possible in order to comply with “A Resource Opportunity, 2012” for landfill diversion. To date the processing of C&D Waste has been extremely successful with the majority of the residual being processed into Solid Recovered Fuel.

Fig. 2: Outgoing destination recovery rate.



2.4 Summary report on emissions and interpretation of environmental monitoring

Under Schedule C of the Waste Licence W0140-04, Panda monitor water, groundwater, compost, trade effluent, noise and air monitoring. The following sub-headings detail the results from independent laboratories of the different parameters and the emission limit values ELV's set by the EPA and any complaints and incident that may have occurred during the year.

2.4.1 Surface Water

Surface water passes through a silt trap and oil interceptor prior to being discharged into a holding tank. The surface water monitoring point is located at the co-ordinates X/E 297456.080 Y/N 269143.030. Monitoring conducted during 2017 demonstrated that there is no contamination to the surface water from the facility.

Panda constructed a wetland system for surface water drainage as set out in the Environmental Targets and Objectives and received planning permission for its construction.

2.4.2 Dust Emissions

As per schedule B4 for dust deposition limits, there are currently five sampling locations. As per condition 6.13.1, all waste for disposal, stored overnight at the facility was placed in suitably covered and enclosed containers within the waste transfer buildings and were removed within 48 hours or 72 hours on a bank holiday weekend. In dry weather, the site roads and any other areas used by vehicles were sprayed with water. A dust suppression unit was installed in Shed 2 to ensure dust emissions from the bottom shed are kept to a minimum. Figs 3-7 illustrate dust recordings for 2017.

Fig. 3: Dust emission results for DS1

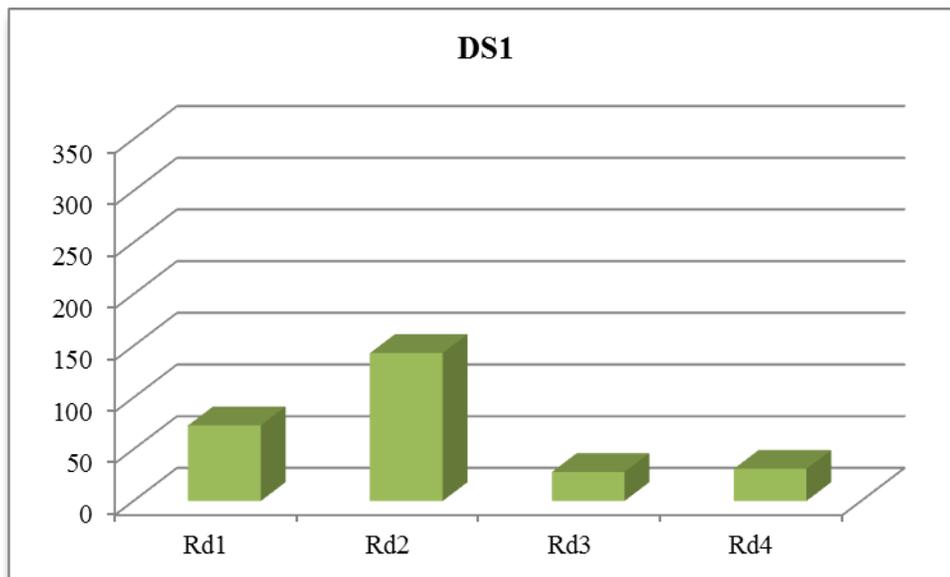


Fig. 4: Dust emission results for DS2

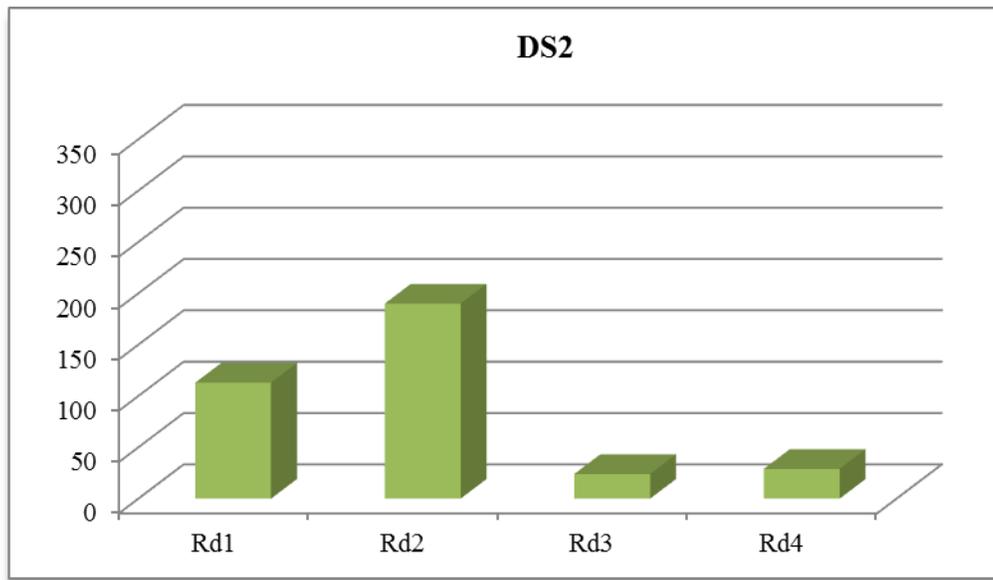


Fig. 5: Dust emission results for Q3

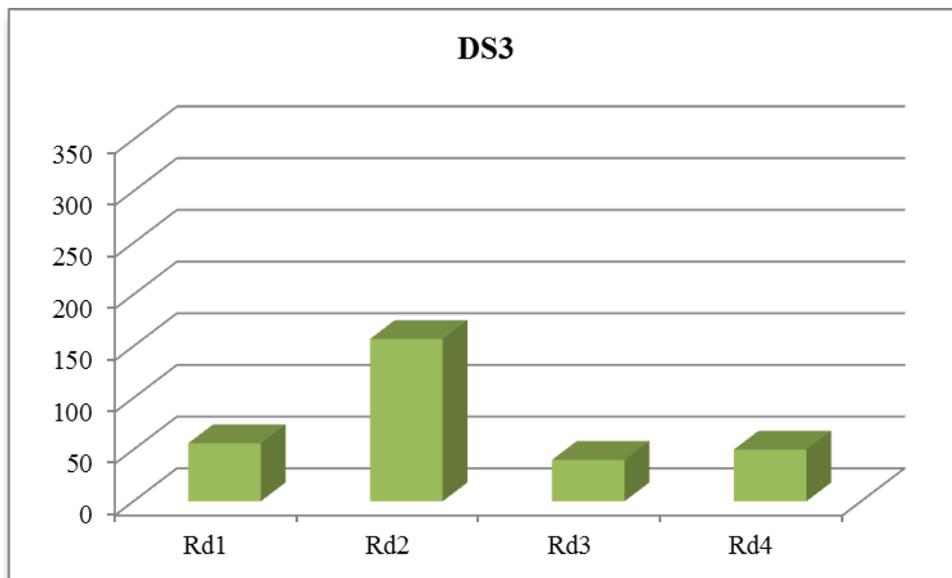


Fig. 6: Dust emission results for DS4

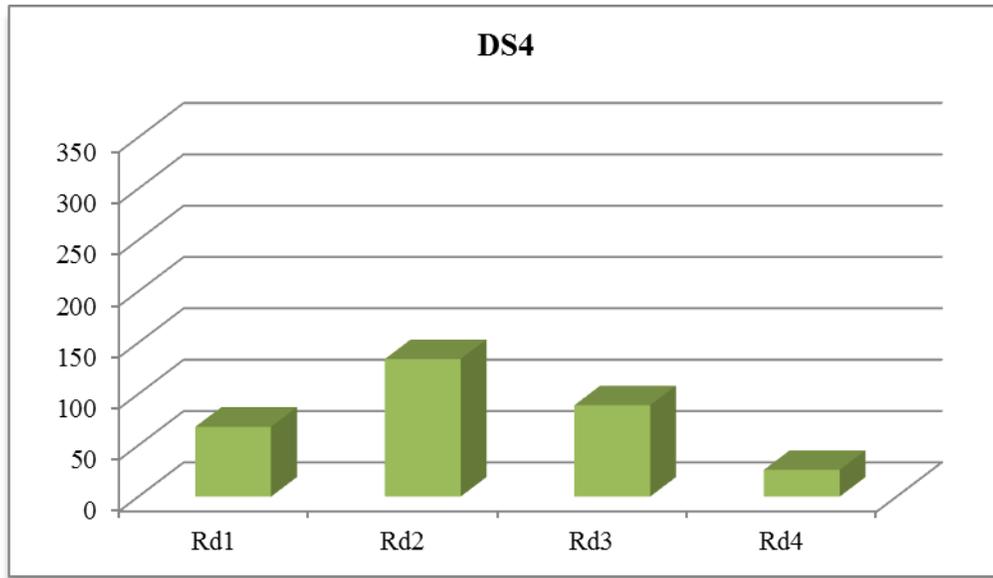
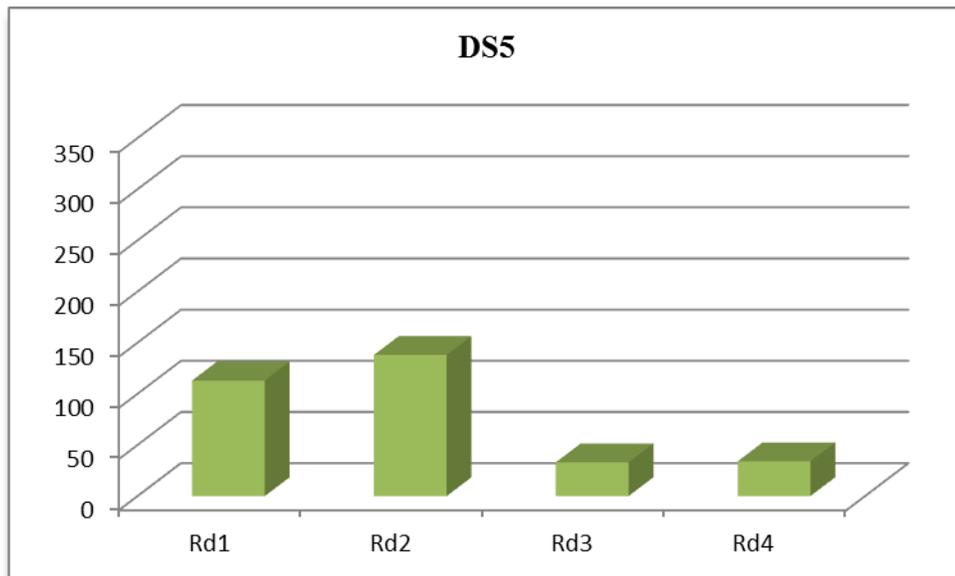


Fig. 7: Dust emission results for DS5



As per Schedule B.4, the dust deposition limit for the site is 350 mg m⁻² d⁻¹. Dust emissions were within licenced ELV's for 2017.

2.4.3 Noise Emissions

Noise emissions are monitored according to Schedule B.3 and the emission limit values (ELV) set out in Schedule C5 of the licence. An independent competent consultant was commissioned to conduct the noise sampling throughout the year. A summary of the recorded noise levels for this reporting period is provided in Tables 1-4.

Table 1: Recorded Noise Levels dB(A) on 20th April 2017– Intervals 30 minutes

Location	Date	Time	Leq	L10	L90	Comments
NSL1	20 th April'17	14:00	54.2	56.5	43.7	<u>N2 and slip road traffic. Panda noise source from site in the region of 44dBA</u>
NSL2	20 th April'17	14:30	51.2	54.6	43.2	N2 & slip road road traffic. Panda waste site in the region of 44 dBA
NSL3	20 th April'17	15:30	72.2	76.0	57.7	N2 road traffic with Panda site noise just audible at less than 50.5dBA which was L _{min}
NSL4	20 th April'17	16:30	73.7	77.3	58.2	N2 road traffic with Panda site noise inaudible at a L _{min} of less than 52.4dBA

Table 2: Recorded Noise Levels dB(A) on 4th July 2017– Intervals 30 minutes

Location	Date	Time	Leq	L10	L90	Comments
NSL1	4 th July'17	11:00	54.2	56.5	43.7	N2 and slip road traffic. Panda noise source from site less than 44dBA
NSL2	4 th July'17	12:00	51.2	54.6	43.2	N2 & slip road road traffic. Panda waste site noise less than 43.2dBA
NSL3	4 th July'17	13:00	70.4	74.3	47.9	N2 road traffic with Panda site noise just audible at less than 44.7 dBA which was L _{min}
NSL4	4 th July'17	13:30	72.1	75.8	48.6	N2 road traffic with Panda site noise audible at a L _{min} of less than 46.6dBA

Table 3: Recorded Noise Levels dB(A) on 26th September 2017– Intervals 30 minutes

Location	Date	Time	Leq	L10	L90	Comments
NSL1	26 th Sept'17	11:00	54.3	57.8	45.3	N2 and slip road traffic. Panda noise source from site less than 45.3dBA
NSL2	26 th Sept'17	12:00	52.6	55.4	44.0	N2 & slip road road traffic. Panda waste site noise less than 44.0dBA
NSL3	26 th Sept'17	14:00	70.9	73.8	53.9	N2 road traffic with Panda site noise just audible at less than 50.3 dBA which was L _{min}
NSL4	26 th Sept'17	15:00	72.1	75.8	54.2	N2 road traffic with Panda site noise audible at a L _{min} of less than 49.4dBA

Table 4: Recorded Noise Levels dB(A) on 5th December 2017– Intervals 30 minutes

Location	Date	Time	Leq	L10	L90	Comments
NSL1	5 th Dec'17	14:30	53.1	58.1	48.4	N2 and slip road traffic. Panda noise source from site less than 44dBA
NSL2	5 th Dec'17	15:00	54.7	60.2	47.6	N2 & slip road road traffic. Panda waste site noise less than 43.2dBA
NSL3	5 th Dec'17	16:00	71.8	76.2	54.8	N2 road traffic with Panda site noise just audible at less than 45.1 dBA which was L _{min}
NSL4	5 th Dec'17	16.30	72.2	75.4	52.9	N2 road traffic with Panda site noise audible at a L _{min} of less than 48.4dBA

The noise emissions at all NSL's from Panda are well within the terms of their noise emissions levels. There were no tonal or impulsive noise emissions from the works audible at any of the nearest residences.

2.4.4 Trade Effluent

As part of the monitoring programme Panda must test the trade effluent sent off site for disposal. Table 5 shows the results for the trade effluent tested for 2017 the parameters are within acceptable levels for waste water treatment plants to be able to treat. Mineral Oil was not tested in the laboratory in the December sample in error. The laboratory has provided us with written communication of this.

Table 5: Results from sampling of Trade effluent

Parameter	Units	Result 28/07/17	Result 21/12/2017
Aluminium	ug/L	634	5887
Ammonia	mg/L as N	0.523	0.5
Antimony	ug/L	0	8
Arsenic	ug/L	0	9
Barium	ug/L	130.3	257
Beryllium	ug/L	0	0
BOD	mg/L	0	39
Boron	ug/L	268.6	79
Cadmium	ug/L	0	2
Cesium	ug/L	0	1
Chloride	mg/L	15.6	412.7
Chromium	ug/L	2.538	25
Cobalt	ug/L	2.4	10
COD	mg/L	107	479
Copper	ug/L	11.72	59
Gallium	ug/L	0	2
Iron	ug/L	1450	6132
Lead	ug/L	6.72	142
Lithium	ug/L	11.47	34
Manganese	ug/L	344.9	884
Mineral Oil	ug/L	0	no result
Nickel	ug/L	13.55	49
pH	pH units	8	7.3
Rubidium	ug/L	2.775	18
Selenium	ug/L	0	0
Silver	ug/L	<0.33	<0.33
Solids (Total Suspended)	mg/L	26	719
Strontium	ug/L	432.6	1345
Sulphate	mg/L as SO ₄	166.99	472.21
Thallium	ug/L	0	0
Tin	ug/L	0	3.3
Uranium	ug/L	0	1
Vanadium	ug/L	2.56	2
Zinc	ug/L	87.84	417

2.4.5 Compost Analysis

As part of the monitoring programme Panda must test Compost bi-annually. No analysis was carried out in 2017 as the In-Vessel Wright System was suspended from September 2010, therefore no output was produced to be analysed.

2.4.6 Biofilter Monitoring

Panda are required to conduct ambient air monitoring from the biofilter unit on site. No analysis was carried out in 2017 as there were no emissions from the biofilter since 2010.

2.4.7 Bund, pipe and underground storage tanks integrity

The integrity and water tightness of all underground pipes, all tanks, bunding structures and containers and their resistance to penetration by water and other materials is required to be carried out every three years and thereafter and reported to the Agency. A bund, pipeline and UST integrity testing was conducted in 2014. The reports show that all under UST, pipes and bund were in accordance with Condition 3.17. This is due for retesting in Q2 2018.

2.4.8 Summary of resource and energy consumption.

The Table 6 below shows a summary of the energy consumption.

Table 6: Summary of Energy Consumption 2017.

Resource	
Gas Oil	234779.28Litres
Electricity	5,382,262.50 MWhr

2.4.8.1 Water

Panda extract water from the surface water tank for re-use on site. The two wells on site are used as back up for water storage in the overground storage tank.

2.5 Site infrastructure

Panda acquired land at the southern and Eastern boundary of the site so as to complete the surface water run off drainage on site and to construct building three at the southern end of the facility. Building three is complete. Panda have been granted planning

permission to construct an anaerobic digestion/composting plant to the East of the facility.

2.5.1 In-place

The current site infrastructure is outlined below in List 1. Table 7 details the waste processing equipment used on site, together with the associated duty capacities

List 1: Site infrastructure

1. Office block
2. Truck wash
3. Two x Weighbridge and associated office.
4. One x Waste processing building (2800 m²)
5. One x Waste processing building (2600 m²)
6. One x Waste processing building (4,248 m²)
7. Two x Dust suppression system
8. Two x In-vessel Composting Tunnels (no longer in use)
9. Ancillary ESB building
10. Canteen & toilets and associated waste water treatment system.
11. Water reservoir (164 m³) capacity
11. Fencing around the site

Table 7: Waste processing equipment

Description	Duty Capacity
2 x Composting Tunnels	130 Tonnes per hour (not in use)
1 x M&J 4000 Shredder	30 Tonnes per hour
1x M&K screener	25 tonnes per hour
2 x Trommel	40 Tonnes per hour
2 x single drum windshifter	25 tonnes per hour (each)
1x double drum wind shifter	30 tonnes per hour
1 x Flip Flop	25 tonnes per hour
2 x Ballistic Separator	50 tonnes per hour combined (not in use)

9 x ferrous Magnets	2 tonnes per hour (each)
4 x Eddy Currents	3 tonnes per hour
3 x Untha shredders (high speed)	20 tonnes per hour combined
1 x M&J 6000 Shredder	40 tonnes per hour

Mobile

1 x Volvo L110F	1 x Kobelco Track
1 x Teleporter	1x new Holland track
1 x Volvo 220	1 x Hoists (genie45)
1 x Volvo L110G	1 x Multisweep

There is sufficient back up if the shredder; a loading shovel or an excavator breaks down. In the event that there is a major problem with a significant piece of plant (i.e. if it can't be fixed within 48 hrs), unprocessed waste will be transferred to other authorised waste processing facilities.

2.5.2 Planned Infra-structure

Pending the W0140-05 review granted, there will be alterations made to building 3 to permit the processing of incinerator bottom ash.

2.6 Progress Report on Proposals Developed to Minimise Water Demand & Trade Effluent Discharge

To minimise the water demand on site, Panda are investigating collecting the rainwater from the roof and using this in the road sweeper to clean the yard. This would constitute a significant reduction in usage on site. the sweeper uses the water reservoir on site to fill the tank

2.7 PRTR Emission.

Panda's PRTR emission return is provided in Appendix C.

3.0 Environmental objectives and targets – 2017 and 2018.

No	Objective & Target	Method of Achievement	Responsibility	2017 Programme	Complete in 2017	2018 Programme
1	Assess the Effectiveness of Nuisance Control Procedures	Continually review and assess all nuisance control procedures to ensure minimal impact on surrounding area	Environmental Manager	It says aug'17?	Complete	Aug '18
		Ensure yards are cleaned at the end of each working day	Operatives	Continuous	Continuous	Continuous
2	Prevent Water Pollution from Run-Off	Ensure all gullies are maintained and regularly cleaned	Environmental Manager/ Operatives	Continuous	Continuous	Continuous
		Ensure that levels in trade effluent tanks are maintained at an appropriate height	Environmental Manager/Operatives	Continuous	Continuous	Continuous
3	Maintain and Develop the Environmental Management System	Maintain EMS Documentation on site	Environmental Manager	Continuous	Continuous	Continuous
		Up date procedures to reflect operational and control changes				
4	Assess Waste Acceptance Procedures for Casual delivers	Have all casuals sign waste collection permit exemption indemnity letters	Weighbridge Management	Q1 '17	March '17	Continuous
5	Environmental Monitoring	Implement the Environmental Monitoring Programme specified in the Waste Licence	Environmental Manager	Continuous	Continuous	Continuous
		Investigate any accidents of emission limit values	Environmental Manager	Continuous	Continuous	Continuous
6	Ensure and implement a training programme	Identify staff training requirements and provide relevant training	Environmental Dept	Sept '17	Completed in '17	April '18
7	To control any emergencies that may arise at the facility	Review and implement an Emergency Response Procedure	Environmental Manager	Sept '17	June 17	Update June '18

No	Objective & Target	Method of Achievement	Responsibility	2017 Programme	Complete in 2017	2018 programme
8	Prepare a Standard Operating Procedures Manual	Review the SOP manual relevant to site operations	Environmental Dept	June '17	Not Completed	April '18
9	Ensure lighting in waste handling buildings provide sufficient lighting so as to assess incoming waste	Clean all light bulbs and covers in waste handling buildings	Environmental Manager/ Yard Supervisor	Sept '17	Sept'17	Sept '18
10	Revamp shed 3 for incinerator bottom ash	Awaiting Agency waste licence review	Environmental Manager	n/a	n/a	Q2 2018
11	Office Recycling	Continuation of office recycling	Office Manager/ Environmental Department	Continuous	Continuous	Continuous
12	Pipe and USB Integrity Test	Carry out a Pipe and Underground Storage Tank Integrity Test	Environmental Manager/Tanker Dept.	Aug '17	Not completed	April '18
13	Solar Panels	Install solar panels on office roof, so as to ascertain feasibility of installing a larger solar farm	Panda Power	Q1 '17	Completed 2017	n/a
14	Energy Audit	Carry out energy audit for the site	Environmental Manager	Q1 '17	Report issued May '17	n/a

15	Paperless office	Offices to go paperless with limited access to printers	Office management	Q3 '17		
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3.1 Completion of Environmental Targets & Objectives 2017

Targets and Objectives not completed will be carried out as soon as possible in Q2 2018.

3.2 Summary of reported incidents and complaints

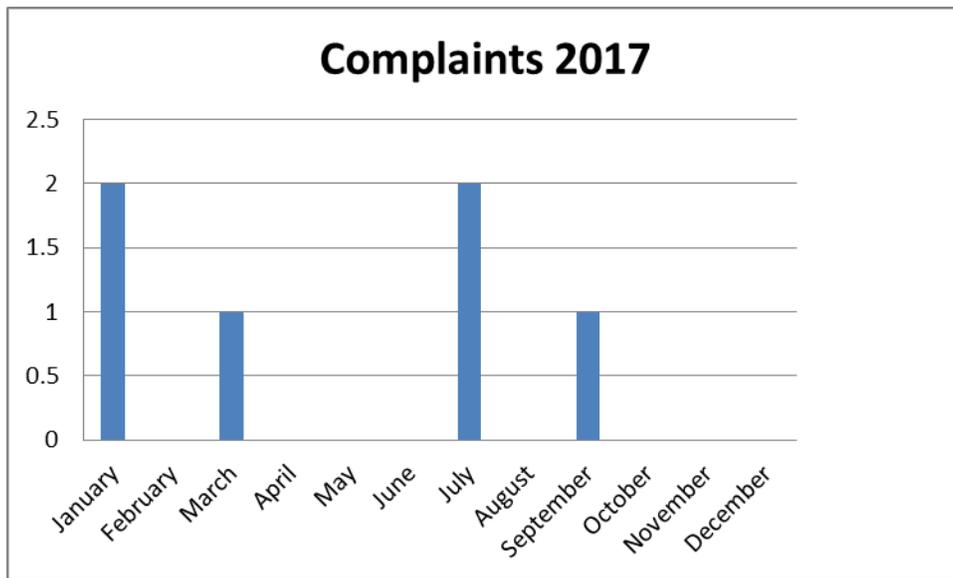
3.2.1. Reported Incidents Summary

There were no incidents in 2017

3.2.2 Complaints:

Fig. 8 illustrates complaints either made directly to the Agency or to Panda’s facility for each month during 2017. There were a total of 6 complaints made in 2017. All of these were thoroughly investigated and closed out in a timely fashion.

Fig. 8: Complaints



3.3 Review of nuisance controls

3.3.1 Odour

There is a dust spraying system installed in the roof of building 2. There are fast acting doors installed on shed 1 and shed 3

There is a power washer available to wash odorous bins. All drivers are responsible for washing their own compactors or skips. Each day, the environmental officer conducts an inspection of the site. A daily odour assessment of the biofilter is carried out and a record of this is filed in the environmental office.

3.3.2 Noise

There were four noise survey's done 2017. Noise levels from operations at Panda were inaudible as background noise from the N2 and the slip road to the north of the facility was the dominant source of noise. In general, the noise emissions were in the main steady, with no tonal or impulsive noise from the works audible at any of the nearest locations.

3.3.3. Dust

A mobile water tanker with spray bars is towed throughout the yard in order to suppress dust. Dust analysis was carried out four times this year at five locations.

3.3.4. Vermin

A file on vermin control is maintained in the environmental office. A sub-contractor is used to control any vermin on site.

3.3.5. Flies

Good housekeeping practices are used to prevent fly infestations. The yard is kept clean using a road sweeper 10 hours a day and all waste for disposal is removed from the facility within 48 hours, or 72 hours in the case of a bank holiday weekends.

3.3.6. Birds

In order to avoid having birds as a nuisance, litter control is practised at all times and no waste is stored outside.

3.3.7. Litter

A designated member of staff carries out litter inspections of the facility twice daily and gathers any litter on site.

4.0 Development of Procedures on Site

The Emergency Response Procedure (ERP) was reviewed and amended to reflect the changes of the company and update useful contact telephone numbers.

A review of all site procedures was carried out in 2017

5.0 Pollution Emission Register

After consulting the PERL list Panda are not using any substance that is listed at present.

6.0 Report on Programme for Public Information

Panda have re-developed their website in 2015; one of the features is an Environmental page where the following can be downloaded

- Facility licences (W0140-04, W0261-02, W0263-01, W0039-02, W0238-01 and W0003-03)
- Multi-regional Waste collection permit (NWCP0-13-11193-05),
- TFS Broker licences,
- Customer Charter,
- Environmental Policy,

Domestic wheelie bin customers can also download their relevant collection calendar and pay bills.

Panda have a news section on the website, with regular updates on collections, offers, etc.

Over the Christmas period 2017 Panda sent text messages to all customers in order to inform of any changes to their collections, we did this in order to minimize paper wastage and also find it to be an easier way to communicate with customers. If there were any change to a domestic route, this would also be advertised in the local media.

In March 2009, Panda commenced SMS messaging to domestic customers regarding their collections. Panda are also encouraging customers to receive email invoicing, thereby reducing dependence on paper invoices and envelopes.

Recycling certificates are issued to customers, on request, so that they can determine their recycling on a weekly/monthly or annual basis.

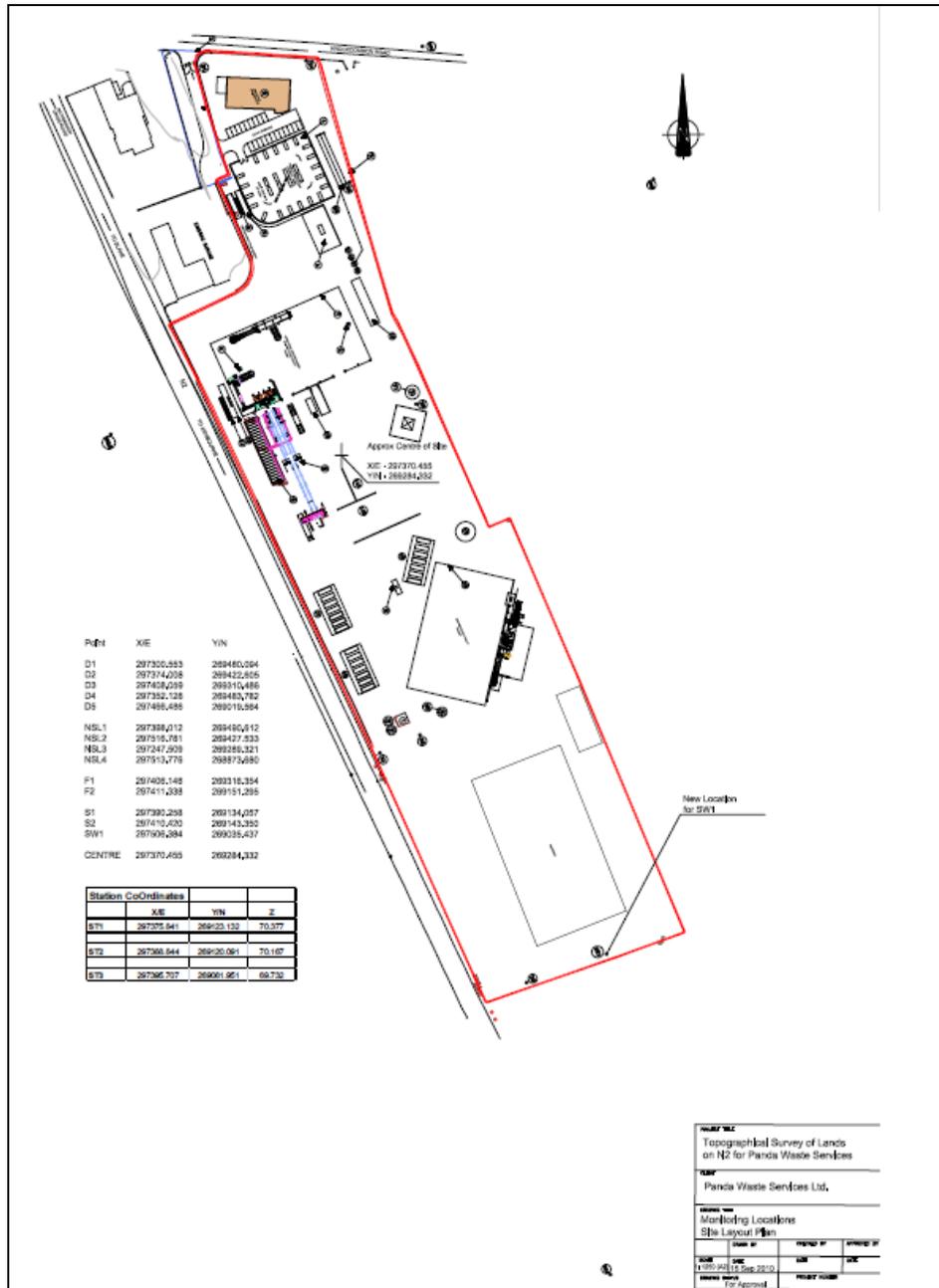
Advertisements are taken out regularly in the local newspapers informing customers of the services that Panda offer. Tours of the facilities are given to schools and to members of the public upon request. During the reporting period there were no requests from members of the public to inspect any Environmental Records.

Panda are aiming to go paperless by end of July 2018 in order to lead by example when it comes to being an environmentally aware company.

The information in the Annual Environmental Report is true and accurate representation of the activities conducted by Panda in 2017.

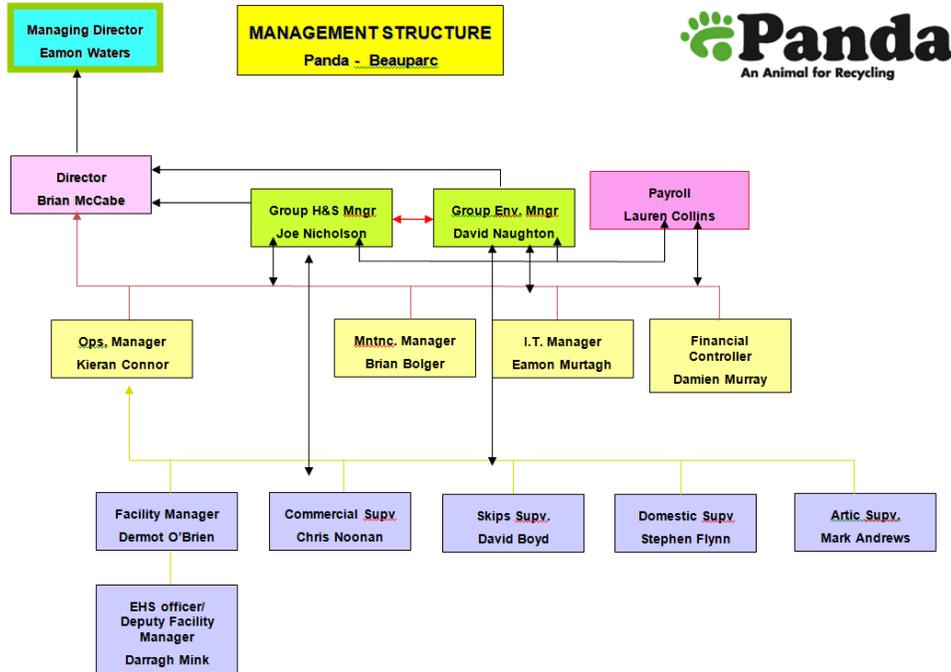
Appendix A

Site Layout



Appendix B

Organisation Chart



Appendix C

PRTR Emissions



IPTR#: W01401 Facility Name: Nurendale (Rathdrinagh) IFilename: Durt Chartr...
Return Year: 2017

[Guidance to completing the PRTR workbook](#)

PRTR Returns Workbook

Version 1.1.19

REFERENCE YEAR	2017
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1. FACILITY IDENTIFICATION

Parent Company Name	Nurendale
Facility Name	Nurendale (Rathdrinagh)
PRTR Identification Number	W0140
Licence Number	W0140-04

Classes of Activity	
No.	class_name
-	Refer to PRTR class activities below

Address 1	Rathdrinagh
Address 2	Beauparc
Address 3	Navan
Address 4	
	Meath
Country	Ireland
Coordinates of Location	-8.13924 52.5351
River Basin District	IEEA
NACE Code	3832
Main Economic Activity	Recovery of sorted materials
AER Returns Contact Name	David Naughton
AER Returns Contact Email Address	david.naughton@greenstar.ie
AER Returns Contact Position	Group Environmental Manager
AER Returns Contact Telephone Number	086 6045905
Returns Contact Mobile Phone Number	086 6045905
AER Returns Contact Fax Number	046 9024189
Production Volume	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	120
User Feedback/Comments	Wastewater variance due to wash down water in waste processing buildings and inconsistency of the waste accepted into the facility.
Web Address	www.panda.ie

2. PRTR CLASS ACTIVITIES

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

4. WASTE IMPORTED/ACCEPTED ON 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

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

15401 Facility Name : Nurendale (Rathdrinagh) | Filename : Dust Charts.xls | Return Year : 2017 | 03/04/2018 10:46

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

POLLUTANT		METHOD		ADD EMISSION POINT			QUANTITY		
No. Annex II	Name	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

SECTION B : REMAINING PRTR POLLUTANTS

POLLUTANT		METHOD		ADD EMISSION POINT			QUANTITY		
No. Annex II	Name	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

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

POLLUTANT		METHOD		ADD EMISSION POINT					QUANTITY		
Pollutant No.	Name	Method Code	Designation or Description	DS1	DS2	DS3	DS4	DS5	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
210	Dust	ALT	Gravimetry	0.03	0.03	0.03	0.03	0.03	0.15	0.0	0.0

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 B: Sector specific PRTR pollutants above. Please complete the table below:

Landfill: Nurendale (Rathdrinagh)

T (Total) kg/Year	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 engines	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](#)

1 PRTR#: W0140 | Facility Name : Nurendale (Rathdrinagh) | Filename : Dust Charts.xls | Return Year : 2017 | 03/04/2018 10:46

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.

POLLUTANT		METHOD		ADD EMISSION POINT			QUANTITY		
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental)	F (Fugitive)	
						0.0	0.0	0.0	0.0

SECTION B : REMAINING PRTR POLLUTANTS

POLLUTANT		METHOD		ADD EMISSION POINT			QUANTITY		
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental)	F (Fugitive)	
						0.0	0.0	0.0	0.0

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

POLLUTANT		METHOD		ADD EMISSION POINT			QUANTITY		
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental)	F (Fugitive)	
						0.0	0.0	0.0	0.0

4.3 RELEASES TO WASTEWATER OR SEWER

[Link to previous years emissions data](#)

IPRTR#: W0140 | Facility Name : Nurendale (Rathdrinahagh) | Filename : Dust Charts.xls | Return Year : 2017 | 03/04/2018 10:46

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			ADD EMISSION POINT	QUANTITY		
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Holding Tanks Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
06	Ammonia (NH3)	M	ALT	Colorimetry		0.19	0.19	0.0
17	Arsenic and compounds (as As)	M	ALT	ICPMS		0.0	0.0	0.0
18	Cadmium and compounds (as Cd)	M	ALT	ICPMS		0.0	0.0	0.0
79	Chlorides (as Cl)	M	ALT	Colorimetry		79.99	79.99	0.0
19	Chromium and compounds (as Cr)	M	ALT	ICPMS		0.01	0.01	0.0
20	Copper and compounds (as Cu)	M	ALT	ICPMS		0.01	0.01	0.0
23	Lead and compounds (as Pb)	M	ALT	ICPMS		0.03	0.03	0.0
22	Nickel and compounds (as Ni)	M	ALT	ICPMS		0.01	0.01	0.0
24	Zinc and compounds (as Zn)	M	ALT	ICPMS		0.09	0.09	0.0

ADD NEW ROW | DELETE ROW * * 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			ADD EMISSION POINT	QUANTITY		
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Holding Tanks Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
355	Aluminium	M	ALT	ICPMS		1.22	1.22	0.0
205	Antimony (as Sb)	M	ALT	ICPMS		0.0	0.0	0.0
373	Barium	M	ALT	ICPMS		0.07	0.07	0.0
303	BOD	M	ALT	Electrometry		7.28	7.28	0.0
374	Boron	M	ALT	ICPMS		0.06	0.06	0.0
356	Cobalt	M	ALT	ICPMS		0.0	0.0	0.0
306	COD	M	ALT	Colorimetry		109.45	109.45	0.0
357	Iron	M	ALT	ICPMS		1.42	1.42	0.0
321	Manganese (as Mn)	M	ALT	ICPMS		0.23	0.23	0.0
324	Mineral oils	M	SSC	GC-FID		0.0	0.0	0.0
370	Selenium	M	ALT	ICPMS		0.0	0.0	0.0
354	Silver	M	ALT	ICPMS		0.0	0.0	0.0
240	Suspended Solids	M	ALT	Filtration/Drying @ 104C		139.14	139.14	0.0
343	Sulphate	M	ALT	Colorimetry		119.38	119.38	0.0
358	Tin	M	ALT	ICPMS		0.0	0.0	0.0

4.4 RELEASES TO LAND

[Link to previous years emissions data](#) | IPRTR#: W0140 | Facility Name : Nurendale (Rathdrinahagh) | Filename : Dust Charts.xls | Return Year : 2017 |

03/04/2018 10:46

SECTION A : PRTR POLLUTANTS

RELEASES TO LAND					Please enter all quantities in this section in KGs		
POLLUTANT		METHOD			ADD EMISSION POINT	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

ADD NEW ROW | DELETE ROW * * 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)

RELEASES TO LAND					Please enter all quantities in this section in KGs		
POLLUTANT		METHOD			ADD EMISSION POINT	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

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

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE												
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	Has Waste: Name and Licence/Permit No of Next Destination Facility	Has Waste: Address of Next Destination Facility	Name and Licence / 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		Has Waste: Name and Licence/Permit No of Recover/Disposer	Has Waste: Address of Recover/Disposer		
Within the Country	15 0101	No	0.0	paper and cardboard packaging	R12	M	weighed	Offsite in Ireland	Irish Packaging Recycling Ltd, W0263-01	Ballymount Road, Walkinstown, Dublin 12, Ireland		
Within the Country	15 0104	No	0.0	metallic packaging	R12	M	weighed	Offsite in Ireland	Multimetals, WFP-W/V-09-0014-01	Conway Port Industrial Estate, Ballymore, Murrough Co., Wicklow, Ireland		
Within the Country	15 0104	No	13.88	metallic packaging	R12	M	weighed	Offsite in Ireland	Wilton Waste, WFP-CN-10-0005-01(1)	Kiffagh, Crosserlough, Balljamesduff, Co. Cavan, Ireland		
Within the Country	15 0104	No	19.66	metallic packaging	R12	M	weighed	Offsite in Ireland	A1 Metal Recycling, WFP-LS-14-003-01	Acragar, Mountmellick, Co. Laois, Ireland		
Within the Country	16 0103	No	55.22	end-of-life tyres	R12	M	weighed	Offsite in Ireland	Irish Packaging Recycling Ltd, W0263-01	Road, Walkinstown, Dublin 12, Ireland		
Within the Country	16 0103	No	9.68	end-of-life tyres	R12	M	weighed	Offsite in Ireland	Greenstar Glynntown, WFP-CK-10-0047-03	Sarsfield Court Industrial Estate, Glanmire, Co. Cork, Ireland		
Within the Country	16 05 05	No	0.0	gases in pressure containers other than those mentioned in 16 05 04	R13	M	weighed	Offsite in Ireland	Calor Gas., Ireland		
Within the Country	17 0107	No	0.0	ceramics other than those mentioned in 17 0106	R10	M	weighed	Offsite in Ireland	Behan Land Restoration Ltd, W0247-01	Blackhall, PuncHESTOWN, Naas, Co. Kildare, Ireland		
Within the Country	17 05 04	No	627.66	soil and stones other than those mentioned in 17 05 03	R10	M	weighed	Offsite in Ireland	Behan Land Restoration Ltd, W0247-01	Blackhall, PuncHESTOWN, Naas, Co. Kildare, Ireland		
Within the Country	17 05 04	No	16.92	soil and stones other than those mentioned in 17 05 03	R13	M	weighed	Offsite in Ireland	Nurendale, W0039-02	Cross, Tallaght, Dublin 24, Ireland		
Within the Country	17 05 04	No	0.0	soil and stones other than those mentioned in 17 05 03	R10	M	weighed	Offsite in Ireland	Knockharley Landfill, W0146-02	Knockharley, Navan, Co. Meath, Ireland		
To Other Countries	17 08 02	No	0.0	gypsum-based construction materials other than those mentioned in 17 08 01	R12	M	weighed	Abroad	Nurendale, W0261-01	Road, Finlas, Dublin 11, Ireland		
Within the Country	17 09 04	No	0.0	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03	R10	M	weighed	Offsite in Ireland	Knockharley Landfill, W0146-02	Knockharley, Navan, Co. Meath, Ireland		
Within the Country	17 09 04	No	0.0	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03	R12	M	weighed	Offsite in Ireland	Barmore Demolition, WPT123	21A, Baldogle Industrial Estate, Baldogle, Dublin 13, Ireland		
Within the Country	19 08 01	No	431.5	screenings	R12	M	weighed	Offsite in Ireland	Greenstar Millennium, W0183-01	Millennium Business Park, Cappagh Road, Finlas, Dublin 11, Ireland		
Within the Country	19 12 02	No	0.0	ferrous metal	R12	M	weighed	Offsite in Ireland	Multimetals, WFP-W/V-09-0014-01	Conway Port Industrial Estate, Ballymore, Murrough Co., Wicklow, Ireland		
Within the Country	19 12 02	No	0.0	ferrous metal	R13	M	weighed	Offsite in Ireland	Panda Cappagh, W0261-01	Road, Finlas, Dublin 11, Ireland		
Within the Country	19 12 02	No	0.0	ferrous metal	R12	M	weighed	Offsite in Ireland	Wilton Waste, WFP-CN-10-0005-01(1)	Kiffagh, Crosserlough, Balljamesduff, Co. Cavan, Ireland		
Within the Country	19 12 02	No	0.0	ferrous metal	R12	M	weighed	Offsite in Ireland	Electrical Waste Management Ltd, WFP-DS-11-0014-05	Unit 648 Jordanstown Drive, Greenogue Business Park, Rathcoole, Ireland		
Within the Country	19 12 03	No	0.0	non-ferrous metal	R12	M	weighed	Offsite in Ireland	Multimetals, WFP-W/V-09-0014-01	Conway Port Industrial Estate, Ballymore, Murrough Co., Wicklow, Ireland		

Within the Country	19 12 03	No	0.0 non-ferrous metal	R12	M	Weighed	Offsite in Ireland	Dublin Regional Recovery Facility, W0238-01	Merrywell Industrial Estate, Ballymount Road Lower, Ballymount, Dublin 12, Ireland
Within the Country	19 12 03	No	0.0 non-ferrous metal	R12	M	Weighed	Offsite in Ireland	Wilton Waste, WFP-CN-10-0005-01(1)	Kiffagh, Crosserlough, Balljamesduff, Co. Cavan, Ireland
Within the Country	19 12 03	No	0.0 non-ferrous metal	R12	M	Weighed	Offsite in Ireland	Irish Packaging Recycling Ltd, W0263-01	Road, Walkinstown, Dublin 12, Ireland
Within the Country	19 12 04	No	0.0 plastic	R12	M	Weighed	Offsite in Ireland	Irish Packaging Recycling Ltd, W0263-01	Road, Walkinstown, Dublin 12, Ireland
Within the Country	19 12 04	No	0.0 plastic and rubber	R12	M	Weighed	Offsite in Ireland	Polymer Recovery Ltd, WFP-W-12-0030-01	The Murrough, Wicklow, Co. Wicklow, Ireland
Within the Country	19 12 04	No	0.0 plastic and rubber	R12	M	Weighed	Offsite in Ireland	Wheeleq Environmental Refuse Services, WFP-G-09-0002-01	Parq, Weir Road, Tuam, Co. Galway, Ireland
Within the Country	19 12 04	No	0.0 plastic and rubber	D1	M	Weighed	Offsite in Ireland	Bord na Mona Drehid Landfill, W0201-03	Killinagh Upper, Carbury, Co. Kildare, Ireland
Within the Country	19 12 04	No	0.0 plastic and rubber	R1	M	Weighed	Offsite in Ireland	Indaver, W0167-02	Carranstown, Duleek, Co. Meath, Ireland
Within the Country	19 12 04	No	748.92 plastic and rubber	D1	M	Weighed	Offsite in Ireland	Knockharley Landfill, W0146-02	Knockharley, Navan, Co. Meath, Ireland
Within the Country	19 12 04	No	0.0 plastic and rubber	D1	M	Weighed	Offsite in Ireland	Ballynagran Landfill, W0165	Co. Wicklow, Ireland
Within the Country	19 12 04	No	35.74 plastic and rubber	R12	M	Weighed	Offsite in Ireland	Leinster Environmental, WFP-LH-11-0002-02	Clermont Business Park, Haggestown Dundalk, Co. Louth, Ireland
Within the Country	19 12 07	No	22.82 wood other than that mentioned in 19 12 06	R12	M	Weighed	Offsite in Ireland	Eirebloc, Ck(S) 503/07	Lissarda, Co. Cork, Ireland
Within the Country	19 12 07	No	2825.52 wood other than that mentioned in 19 12 06	R13	M	Weighed	Offsite in Ireland	Greenstar Bray, W0053-03	Fassaroe, Bray, Co. Wicklow, Ireland
Within the Country	19 12 07	No	0.0 wood other than that mentioned in 19 12 06	R10	M	Weighed	Offsite in Ireland	Knockharley Landfill, W0146-02	Knockharley, Navan, Co. Meath, Ireland
Within the Country	19 12 07	No	0.0 wood other than that mentioned in 19 12 06	R12	M	Weighed	Offsite in Ireland	Thornton's Recycling, WFP-KE-10-0061-01	Oldmilltown, Kill, Co. Kildare, Ireland
Within the Country	19 12 07	No	0.0 wood other than that mentioned in 19 12 06	R13	M	Weighed	Offsite in Ireland	Whiteriver Landfill, W0060-02	Dunleer, Co. Louth, Ireland
Within the Country	19 12 07	No	63.34 wood other than that mentioned in 19 12 06	R12	M	Weighed	Offsite in Ireland	Clonmel Waste Disposal, WFP-TS-11-0001-01	Lawlesstown, Clonmel, Co. Tipperary, Ireland
Within the Country	19 12 07	No	0.0 wood other than that mentioned in 19 12 06	R3	M	Weighed	Offsite in Ireland	Acorn Recycling Ltd, W0249-01	Balljamesduff, Littleton, Co. Tipperary, Ireland
Within the Country	19 12 07	No	0.0 wood other than that mentioned in 19 12 06	R12	M	Weighed	Offsite in Ireland	Monaghan County Council, W0020-01	Scotchcorner Landfill, Letterbane, Annygalla, Castleblayney Co. Monaghan, Ireland
Within the Country	19 12 09	No	0.0 minerals (for example sand, stones)	R10	M	Weighed	Offsite in Ireland	Knockharley Landfill, W0146-02	Knockharley, Navan, Co. Meath, Ireland
Within the Country	19 12 09	No	0.0 Rubble	R10	M	Weighed	Offsite in Ireland	Whiteriver Landfill, W0060-02	Dunleer, Co. Louth, Ireland
Within the Country	19 12 09	No	0.0 minerals (for example sand, stones)	R13	M	Weighed	Offsite in Ireland	Arthurstown Landfill, W0004-04	Arthurstown, Kill, Co. Kildare, Ireland
Within the Country	19 12 09	No	0.0 minerals (for example sand, stones)	R13	M	Weighed	Offsite in Ireland	Bord na Mona Drehid Landfill, W0201-03	Killinagh Upper, Carbury, Co. Kildare, Ireland
Within the Country	19 12 09	No	0.0 minerals (for example sand, stones)	R13	M	Weighed	Offsite in Ireland	AES Navan, W0131	Navan, Co. Meath, Ireland
Within the Country	19 12 09	No	0.0 minerals (for example sand, stones)	R12	M	Weighed	Offsite in Ireland	Barnmore Demolition, WPT 129	21A Baldogyle Industrial Estate, Baldogyle, Dublin 13, Ireland
Within the Country	19 12 09	No	0.0 minerals (for example sand, stones)	R13	M	Weighed	Offsite in Ireland	Panda Ballymount, W0039-02	Ballymount Cross, Tallaght, Dublin 24, Ireland
Within the Country	19 12 09	No	0.0 minerals (for example sand, stones)	R13	M	Weighed	Offsite in Ireland	Whiteriver Landfill, W0060-02	Dunleer, Co. Louth, Ireland
Within the Country	19 12 09	No	0.0 minerals (for example sand, stones)	R12	M	Weighed	Offsite in Ireland	Enrich, WFP-MH-08-0004-02	Newtownrathganley, Killocock, Co. Meath, Ireland
Within the Country	19 12 09	No	0.0 End of Waste rubble	R13	M	Weighed	Offsite in Ireland	Farmers, N/A, Ireland

Within the Country	19 12 09	No	0.0 minerals (for example sand, stones)	R13	M	Veighed	Offsite in Ireland	Nurendale,W0261-01	Cappagh Road,Finglas,Dublin 11,,Ireland
Within the Country	19 12 09	No	0.0 minerals (for example sand, stones)	R13	M	Veighed	Offsite in Ireland	Limerick County Council,W0017-04	Gortadroma Landfill,Ballyhahill,Co. Limerick,,Ireland
Within the Country	19 12 09	No	0.0 minerals (for example sand, stones)	R13	M	Veighed	Offsite in Ireland	Monaghan County Council,W0020-01	Scotchcorner Landfill,Letterbane,Annghalla, Castleblayney Co. Monaghan,Ireland
Within the Country	19 12 09	No	0.0 minerals (for example sand, stones)	R13	M	Veighed	Offsite in Ireland	Nurendale,W0039-02	Ballymount Cross,Tallaght,Dublin 24,,Ireland
Within the Country	19 12 09	No	0.0 minerals (for example sand, stones)	R10	M	Veighed	Offsite in Ireland	Irish Packaging Recycling Ltd,W0263-01	Ballymount Road,Walkinstown,Dublin 12,,Ireland
Within the Country	19 12 09	No	0.0 minerals (for example sand, stones)	R10	M	Veighed	Offsite in Ireland	Corranure Landfill,W0077-04	Corranure,Cootehill RD,Cavan,Co. Cavan,Ireland
Within the Country	19 12 09	No	0.0 minerals (for example sand, stones)	R10	M	Veighed	Offsite in Ireland	Tara Mines,P0516-03	Knockumber,Navan,Co. Meath,,Ireland
Within the Country	19 12 09	No	0.0 minerals (for example sand, stones)	R10	M	Veighed	Offsite in Ireland	Ballynagan Landfill,W0165	Co. Wicklow,,Ireland
Within the Country	19 12 10	No	4158.09 combustible waste (refuse derived fuel)	R1	M	Veighed	Offsite in Ireland	Quinn Cement Ltd,P0378-08	Scotchtown,Ballyconnell,, Co. Cavan,Ireland
Within the Country	19 12 10	No	0.0 combustible waste (refuse derived fuel)	R12	M	Veighed	Offsite in Ireland	Greyhound,W0205-01	Crag Avenue,Clondalkin Industrial Estate,Condalkin Co Dublin,,Ireland
Within the Country	19 12 10	No	26514.97 combustible waste (refuse derived fuel)	R1	M	Veighed	Offsite in Ireland	Lagan Cement ,P0487-05	Killaskillen,Kinnegad,Co. Meath,,Ireland
Within the Country	19 12 10	No	2096.36 combustible waste (refuse derived fuel)	R13	M	Veighed	Offsite in Ireland	Drogheda Port Co.,WFP-LH-11-0006-01	Tom Ross Point Facility,Baltray Road,Drogheda,Co. Louth,Ireland
Within the Country	19 12 10	No	0.0 combustible waste (refuse derived fuel)	R1	M	Veighed	Offsite in Ireland	Indaver,W0167-02	Carranstown,Duleek,Co. Meath,,Ireland
Within the Country	19 12 10	No	35850.76 combustible waste (refuse derived fuel)	R1	M	Veighed	Offsite in Ireland	Irish Cement,P0030	Platin,Drogheda,Co. Meath,,Ireland
Within the Country	19 12 10	No	0.0 combustible waste (refuse derived fuel)	R12	M	Veighed	Offsite in Ireland	South Dublin Baling Station,W0003	Ballymount Baling Station,Ballymount Road,Walkinstown,Dublin 12,Ireland
Within the Country	19 12 10	No	27.94 combustible waste (refuse derived fuel)	R13	M	Veighed	Offsite in Ireland	Panda Ballymount,W0039-02	Ballymount Cross,Tallaght,Dublin 24,,Ireland
Within the Country	19 12 10	No	0.0 combustible waste (refuse derived fuel)	R1	M	Veighed	Offsite in Ireland	Nurendale,W0039-02	Ballymount Cross,Tallaght,Dublin 24,,Ireland
Within the Country	19 12 10	No	0.0 combustible waste (refuse derived fuel)	R1	M	Veighed	Offsite in Ireland	Nurendale,W0261-02	Cappagh Road,Finglas,Dublin 11,,Ireland
Within the Country	19 12 10	No	0.0 combustible waste (refuse derived fuel)	R1	M	Veighed	Offsite in Ireland	Greenstar Brag,W0053-03	Fassaroe,Brag,Co. Wicklow,,Ireland
Within the Country	19 12 10	No	0.0 combustible waste (refuse derived fuel)	R1	M	Veighed	Offsite in Ireland	Greenstar Cork,W0136-03	Sarsfieldcourt Industrial Estate,Sarfields,Glanmire,Co. Cork,Ireland
Within the Country	19 12 10	No	11754.88 combustible waste (refuse derived fuel)	R1	M	Veighed	Offsite in Ireland	Greenstar Millennium,W0183-01	Millennium Business Park,Cappagh Road,Finglas,Dublin 11,Ireland
To Other Countries	19 12 10	No	335.4 combustible waste (refuse derived fuel)	R13	M	Veighed	Abroad	Pacon,WFP-FG-14-0001-01	Stephenstown Business Park,Balbriggan,Co. Dublin ,Ireland
To Other Countries	19 12 10	No	0.0 combustible waste (refuse derived fuel)	R1	M	Veighed	Abroad	Lafarge Tarmac Cement,P0052f04A	29 Sandholes Road,Cookstown,Co. Tyrone,BT80 9AF,United Kingdom

Within the Country	19 12 12	No	7322.22	11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R10	M	Veighed	Offsite in Ireland	Ballynagran Landfill, W0165	Co. Wicklow, Ireland
Within the Country	19 12 12	No	1571.2	11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R1	M	Veighed	Offsite in Ireland	Indaver, W0167-02	Carranstown, Duleek, Co. Meath, Ireland
Within the Country	19 12 12	No	8614.21	11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R10	M	Veighed	Offsite in Ireland	Knockharley Landfill, W0146-02	Knockharley, Navan, Co. Meath, Ireland
Within the Country	19 12 12	No	332.06	11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R12	M	Veighed	Offsite in Ireland	Greenstar Bray, W0053-03	Fassaroe, Bray, Co. Wicklow, Ireland
Within the Country	19 12 12	No	0.0	11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R1	M	Veighed	Offsite in Ireland	Regen, 44110	Shepherds Drive, Carnbane Industrial Estate, Newry Co. Down, BT35 5JG, Ireland
Within the Country	19 12 12	No	0.0	11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R12	M	Veighed	Offsite in Ireland	Padraig Thornton Waste Disposal Ltd, W0044	Killeen Road, Ballyfermot, Dublin 10, Ireland
Within the Country	19 12 12	No	0.0	11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R13	M	Veighed	Offsite in Ireland	Panda Ballymount, W0039-02	Ballymount Cross, Tallaght, Dublin 24, Ireland
Within the Country	19 12 12	No	0.0	11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R12	M	Veighed	Offsite in Ireland	Wiser,	Middleton, Co. Cork, Ireland Tom Roes Point Facility, Baltraig Road, Drogheda, Co. Louth, Ireland
Within the Country	19 12 12	No	0.0	11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R13	M	Veighed	Offsite in Ireland	Drogheda Port Co., WFP-LH-11-0006-01	
Within the Country	19 12 12	No	0.0	11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R10	M	Veighed	Offsite in Ireland	Ballynagran Landfill, W0165	Co. Wicklow, Ireland Merrywell Industrial Estate, Ballymount Road Lower, Ballymount Dublin 12, Ireland
Within the Country	19 12 12	No	0.0	11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R12	M	Veighed	Offsite in Ireland	Dublin Regional Recovery Facility, W0238-01	
Within the Country	19 12 12	No	0.0	11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R10	M	Veighed	Offsite in Ireland	Bord na Mona Drehid Landfill, W0201-03	Killinagh Upper, Carbury, Co. Kildare, Ireland
Within the Country	19 12 12	No	0.0	11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R10	M	Veighed	Offsite in Ireland	Limerick County Council, W0017-04	Gortadroma Landfill, Ballynahill, Co. Limerick, Ireland Millennium Business Park, Cappagh Road, Finglas, Dublin 11, Ireland
Within the Country	19 12 12	No	2187.94	11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R12	M	Veighed	Offsite in Ireland	Greenstar Millennium, W0183-01	
Within the Country	19 12 12	No	0.0	11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R10	M	Veighed	Offsite in Ireland	Tara Mines, P0516-03	Knockumber, Navan, Co. Meath, Ireland
Within the Country	19 12 12	No	0.0	11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R10	M	Veighed	Offsite in Ireland	Knockharley Landfill, W0146-02	Knockharley, Navan, Co. Meath, Ireland Cappagh Road, Finglas, Dublin 11, Ireland
Within the Country	20 01 01	No	0.0	paper and cardboard	R12	M	Veighed	Offsite in Ireland	Nurendale, W0261-02	

Within the Country	20 01 01	No	0.0 paper and cardboard	R12	M	Weighed	Offsite in Ireland	Irish Packaging Recycling Ltd, w0263-01	Ballymount Road, w/alkinstown, Dublin 12, Ireland
Within the Country	20 01 01	No	0.0 paper and cardboard	R12	M	Weighed	Offsite in Ireland	Dublin Regional Recovery Facility, w0238-01	Merrigwell Industrial Estate, Ballymount Road Lower, Ballymount Dublin 12, Ireland
Within the Country	20 01 02	No	0.0 glass	R12	M	Weighed	Offsite in Ireland	Agnail, tre/Ag117H2	Unit 9 Rossfield, 50 Rosemount Business Park, Ballycoolin, Dublin 11, Ireland
Within the Country	20 01 02	No	0.0 glass	R12	M	Weighed	Offsite in Ireland	Glassco Recycling Ltd, wFP-KE-08-0357-01	Unit 4 Osberstown Business Park, Carragh Rd, Naas, Co. Kildare, Ireland
Within the Country	20 01 08	No	0.0 biodegradable kitchen and canteen waste	R13	M	Weighed	Offsite in Ireland	Nurendale, w0039-02	Ballymount Cross, Tallaght, Dublin 24, Ireland
Within the Country	20 01 25	No	0.0 edible oil and fat	R3	M	Weighed	Offsite in Ireland	Slane Farm Oils, wFP-MH-10-0005-01	Slane, Co. Meath, Ireland
Within the Country	20 01 39	No	0.0 plastics	R12	M	Weighed	Offsite in Ireland	Irish Packaging Recycling Ltd, w0263-01	Ballymount Road, w/alkinstown, Dublin 12, Ireland
Within the Country	20 01 38	No	554.72 wood other than that mentioned in 20 01 37	R12	M	Weighed	Offsite in Ireland	Greenstar Bray, w0053-03	Fassaroe, Bray, Co. Wicklow, Ireland
Within the Country	20 01 40	No	1.74 metals	R12	M	Weighed	Offsite in Ireland	Greenstar Millennium, w0183-01	Millennium Business Park, Cappagh Road, Finglas, Dublin 11, Ireland
Within the Country	20 01 40	No	76.34 metals	R12	M	Weighed	Offsite in Ireland	A1 Metal Recycling, wFP-LS-14-003-01	Acragar, Mountmellick, Co. Laois, Ireland
Within the Country	20 01 40	No	6392.28 metals	R12	M	Weighed	Offsite in Ireland	Multimetals, wFP-wV-09-0014-01	Conway Port Industrial Estate, Bollarney, Murrough Co. Wicklow, Ireland
Within the Country	20 02 01	No	128.58 biodegradable waste	R3	M	Weighed	Offsite in Ireland	Enrich Kilcock, wFP/MH08/0004/03	Larch Hill Stud, Newtownrathganley, Kildare, Ireland
Within the Country	20 02 01	No	16.04 biodegradable waste	R13	M	Weighed	Offsite in Ireland	Greenstar Bray, w0053-03	Fassaroe, Bray, Co. Wicklow, Ireland
Within the Country	20 02 01	No	0.0 biodegradable waste	R3	M	Weighed	Offsite in Ireland	Bord Na Mona Kiberry, w0198-01	Kilberry, Athy, Co. Kildare, Ireland
Within the Country	20 03 01	No	0.0 mixed municipal waste	R12	M	Weighed	Offsite in Ireland	South Dublin Baling Station, w0003	Ballymount Baling Station, Ballymount Road, w/alkinstown, Dublin 12, Ireland
Within the Country	20 03 01	No	0.0 mixed municipal waste	D1	M	Weighed	Offsite in Ireland	Ballealy Landfill, w0009-03	Ballealy Landfill, Lusk, Co. Dublin, Ireland
Within the Country	20 03 01	No	1402.03 Dry Recyclables	R12	M	Weighed	Offsite in Ireland	Dublin Regional Recovery Facility, w0238-01	Merrigwell Industrial Estate, Ballymount Road Lower, Ballymount Dublin 12, Ireland
Within the Country	20 03 01	No	0.0 Dry Recyclables	R12	M	Weighed	Offsite in Ireland	Killarney Waste Disposal, w0217-01	Aughacurreen, Killarney, Co. Kerry, Ireland
Within the Country	20 03 01	No	0.0 mixed municipal waste	D1	M	Weighed	Offsite in Ireland	Bord na Mona Drehid Landfill, w0201-03	Killinagh Upper, Carbury, Co. Kildare, Ireland
Within the Country	20 03 01	No	0.0 Dry Recyclables	R12	M	Weighed	Offsite in Ireland	Greghound, w0205-01	Crag Avenue, Clondalkin Industrial Estate, Clondalkin Co Dublin, Ireland
Within the Country	20 03 01	No	0.0 mixed municipal waste	R1	M	Weighed	Offsite in Ireland	Indaver, w0167-02	Carranstown, Duleek, Co. Meath, Ireland
Within the Country	20 03 01	No	69.08 mixed municipal waste	D1	M	Weighed	Offsite in Ireland	Knockharley Landfill, w0146-02	Knockharley, Navan, Co. Meath, Ireland
Within the Country	20 03 01	No	0.0 mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Panda Ballymount, w0039-02	Ballymount Cross, Tallaght, Dublin 24, Ireland
Within the Country	20 03 01	No	0.0 mixed municipal waste	D1	M	Weighed	Offsite in Ireland	Whiteriver Landfill, w0060-02	Dunleer, Co. Louth, Ireland
Within the Country	20 03 01	No	0.0 mixed municipal waste	D1	M	Weighed	Offsite in Ireland	Ballinagran Landfill, w0165	Co. Wicklow, Ireland

Within the Country	20 03 01	No	0.0 Dry Recyclables	R12	M	Weighted	Offsite in Ireland	Irish Packaging Recycling Ltd,W0263-01	Ballymount Road,Walkinstown,Dublin 12,,Ireland Killeen
Within the Country	20 03 01	No	0.0 Dry Recyclables	R12	M	Weighted	Offsite in Ireland	Padraig Thornton Waste Disposal Ltd,W0044	Road,Ballyfermot,Dublin 10,,Ireland
Within the Country	20 03 01	No	0.0 mixed municipal waste - levy exempt	D1	M	Weighted	Offsite in Ireland	Whiteriver Landfill,W0060-02	Dunleer,Co. Louth,,Ireland Ballymount Cross,Tallaght,Dublin 24,,Ireland Cappagh
Within the Country	20 03 01	No	0.0 Dry Recyclables	R13	M	Weighted	Offsite in Ireland	Panda Ballymount,W0039-02	Road,Finglas,Dublin 11,,Ireland Ballymount Cross,Tallaght,Dublin 24,,Ireland
Within the Country	20 03 01	No	0.0 Dry Recyclables	R13	M	Weighted	Offsite in Ireland	Nurendale,W0261-01	Road,Finglas,Dublin 11,,Ireland Ballymount Cross,Tallaght,Dublin 24,,Ireland
Within the Country	20 03 01	No	0.0 mixed municipal waste	R13	M	Weighted	Offsite in Ireland	Nurendale,W0039-02	Shepherds Drive,Carnbane Industrial Estate,Newry Co. Down,BT35 6JQ,Ireland Millennium Business Park,Cappagh Road,Finglas,Dublin 11,Ireland
To Other Countries	20 03 01	No	4307.9 Dry Recyclables	R12	M	Weighted	Abroad	Regen,4410	Down,BT35 6JQ,Ireland Millennium Business Park,Cappagh Road,Finglas,Dublin 11,Ireland
Within the Country	20 03 07	No	11.44 bulky waste	R13	M	Weighted	Offsite in Ireland	Greenstar Millennium,W0183-01	Knockharley,Navan,Co. Meath,,Ireland
Within the Country	20 03 03	No	84.94 street-cleaning residues	D1	M	Weighted	Offsite in Ireland	Knockharley Landfill,W0146-02	Knockharley,Navan,Co. Meath,,Ireland
Within the Country	20 03 07	No	114.34 bulky waste	D1	M	Weighted	Offsite in Ireland	Knockharley Landfill,W0146-02	Knockharley,Navan,Co. Meath,,Ireland Ballymount
Within the Country	15 01 04	No	245.58 metallic packaging	R12	M	Weighted	Offsite in Ireland	Irish Packaging Recycling Ltd,W0263-01	Road,Walkinstown,Dublin 12,,Ireland
Within the Country	20 03 03	No	173.7 street-cleaning residues	D1	M	Weighted	Offsite in Ireland	Bord na Mona Drehid Landfill,W0201-03	Killinagh Upper,Carbury,Co. Kildare,,Ireland East Twin Road,Belfast,Co. Antrim,BT3 9EN,United Kingdom
To Other Countries	20 01 40	No	765.72 metals	R12	M	Weighted	Abroad	Clearway Disposal Ltd,Ire/G166/17	Rosemount Business Park,Ballycoolin,Dublin 11,,Ireland
Within the Country	15 01 02	No	26.42 plastic packaging	R12	M	Weighted	Offsite in Ireland	Cloughwater,WFP-FG-08-0002-03	Rosemount Business Park,Ballycoolin,Dublin 11,,Ireland
Within the Country	19 12 04	No	75.12 plastic and rubber	R12	M	Weighted	Offsite in Ireland	Cloughwater,WFP-FG-08-0002-03	Rosemount Business Park,Ballycoolin,Dublin 11,,Ireland
Within the Country	20 01 40	No	67.44 metals	R12	M	Weighted	Offsite in Ireland	Electrical Waste Management Ltd,WFP-DS-11-0014-05	Unit 648 Jordanstown Drive,Greenogue Business Park,Rathcoole,,Ireland
Within the Country	20 02 01	No	16.22 biodegradable waste	R3	M	Weighted	Offsite in Ireland	OD Agri,WFP-TS-10-0002-05	Ballyboe,Ballypatrick,Clonmel,Co. Tipperary,Ireland Ballymount
Within the Country	20 01 40	No	168.42 metals	R12	M	Weighted	Offsite in Ireland	Irish Packaging Recycling Ltd,W0263-01	Road,Walkinstown,Dublin 12,,Ireland
Within the Country	15 01 02	No	49.68 plastic packaging	D1	M	Weighted	Offsite in Ireland	Knockharley Landfill,W0146-02	Knockharley,Navan,Co. Meath,,Ireland Clermont Business Park,Haynestown Td,Haggardstown Dundalk,Co. Louth,Ireland Lisduff,Carnbane Business Park,Newry Co. Down,BT29 4TL,United Kingdom
Within the Country	15 01 02	No	53.32 plastic packaging	R12	M	Weighted	Offsite in Ireland	Leinster Environmental,WFP-LH-11-0002-02	Fassaroe,Bray,Co. Wicklow,,Ireland Fassaroe,Bray,Co. Wicklow,,Ireland
To Other Countries	17 02 01	No	387.74 wood	R12	M	Weighted	Abroad	McKinistry Skip Hire Ltd,LN/16/16	Fassaroe,Bray,Co. Wicklow,,Ireland Fassaroe,Bray,Co. Wicklow,,Ireland
Within the Country	17 02 01	No	12.56 wood soil and stones other than those	R12	M	Weighted	Offsite in Ireland	Greenstar Bray,W0053-03	Fassaroe,Bray,Co. Wicklow,,Ireland
Within the Country	17 05 04	No	44.74 mentioned in 17 05 03	R13	M	Weighted	Offsite in Ireland	Greenstar Bray,W0053-03	Fassaroe,Bray,Co. Wicklow,,Ireland
Within the Country	20 03 07	No	61.06 bulky waste	R12	M	Weighted	Offsite in Ireland	Greenstar Bray,W0053-03	Fassaroe,Bray,Co. Wicklow,,Ireland

Within the Country	20 03 07	No	4.82 bulky waste	R12	M	Weighted	Offsite in Ireland	Nurendale,W0261-02	Cappagh Road,Finglas,Dublin 11,,Ireland
Within the Country	15 01 02	No	13.44 plastic packaging	R12	M	Weighted	Offsite in Ireland	Cloughwater,WFP-FG-08-0002-03	Rosemount Business Park,Ballycoolin,Dublin 11,,Ireland
ADD NEW ROW DELETE ROW*									
<small>* Select a row by double-clicking the Description of Waste then click the delete button.</small>									