Panda
An Animal for Recycling

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

Waste Licence Number W0140-03

Annual Environmental Report

01st January 2013 – 31st December 2013

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1.0 Introduction

Panda were granted their third EPA Waste Licence W0140-03 on the 26th March 2009. This replaces the old Licence W0140-02. 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:	W0140-03
Name:	Nurendale Limited t/a Panda
Address:	Rathdrinagh Beauparc Co. Meath
Telephone Number:	1850 65 65 65
Fax Number:	046 9024189
Website:	www.panda.ie

1.2 Management Structure

Eamon Waters is the Managing Director of Panda. Noel Waters and Brian McCabe are the company's directors. David Naughton is the Environmental Manager. There are approximately 160 employees either working directly or indirectly at the facility. Appendix B illustrates the organisational structure of the facility.

1.3 Financial Provision

A statement from our accountants is provided in Appendix C. At the present time the annual turnover and company assets are sufficient to offset environmental liabilities incurred during the course of operations and in the event that the company is closed.

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 W0140-03, Panda are licenced to conduct the following activities:

Licensed Waste Disposal Activities, in accordance with the Third Schedule of the Waste Management Acts, 1996 to 2003

Class 11.
Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.

Class 12.
Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.

Class 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.

Licensed Waste Recovery Activities, in accordance with the Fourth Schedule of the Waste Management Acts, 1996 to 2003

Class 2.
Recycling or reclamation of organic substances, which are not used as solvents (including composting and other biological transformation processes).

Class 3.
Recycling or reclamation of metals and metal compounds.

Class 4.
Recycling or reclamation of other inorganic materials.

Class 11.

Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule.

Class 13.

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.

Panda provide a waste collection service for the domestic, commercial and industrial sectors throughout Ireland and was awarded the Repak "Large Operator of the Year award 2007" and "Runner up" in 2008, 2009, 2010, 2011 and 2012. Panda also won the inaugural Meath Innovator of the year 2010 and Meath Overall Business of the year 2010.

The facility operates 8am-6.30pm (Monday-Friday) & 9am-2pm (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 P&L's weighbridge software "IWS6". Panda operate three different sheds for processing the different waste streams. Waste accepted into building 1 includes Wood, and Dry Recyclables including Source Segregated Paper and Cardboard.

Building 2 is used to segregate the C&D waste entering the site using a shredder, trommel, wind blower, 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 shed 3 for SRF production. Shovels are used to load the shredder, and a grab is used to pick out large pieces of steel, wood etc and load the waste sent to landfill.

Panda operate a rock crusher to further process the C&D rubble to a suitable size material and remove contaminants with magnets and a picking station.

Panda operate a flip-flop unit to further process the C&D trommelled fines. This system removes stones, wood, metal and residual material from the fines. This material is then sent as landfill cover.

Panda process wood on-site using a wood shredder. A grab is used to load the material. The shredded timber is then recovered for example in blocks for pallets.

The dual weighbridge has been operational since October 2006. The second weighbridge was retained as back up for the dual weighbridge and is fully operational.

Panda produce SRF in building 1. The process involves the use of Ballistics, Magnets, Eddy Currents, Single Drum Separators, Optical Sorters and Shredders to produce a 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:

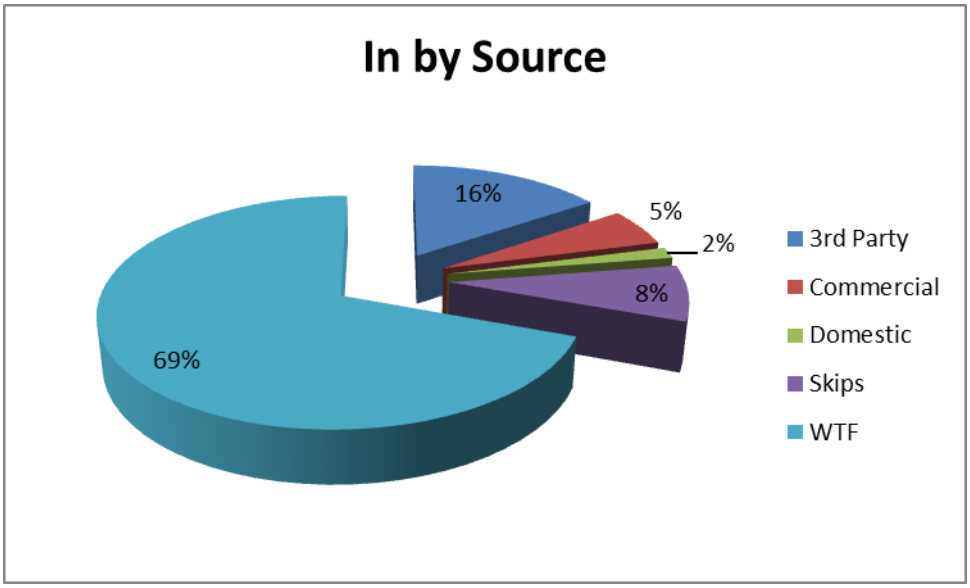
- In-house road sweeper.
- Dust suppression sprayers at doorways into shed one and on the eastern boundary fence between the back-up weighbridge and the retail outlet to the north.
- One mobile rotary atomiser unit
- Dust suppression systems
- Hoses on site for dust suppression.
- Sprinkler system on 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 2013 was 125,618.54 tonnes. 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 D for the breakdown of the different destinations used for the waste accepted at the facility and waste removed off site by EWC Code.

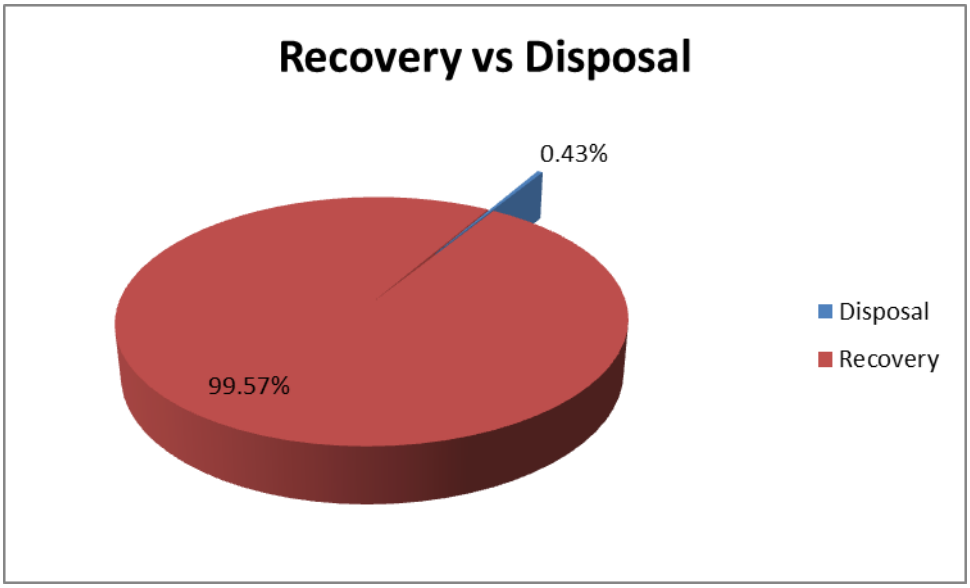
2.3 Waste Recovery Reports

To contribute to the Landfill Directive, Panda operates a shredder, trommel, magnet and an in-vessel composting system.

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 process mixed C&D waste in building 2, this includes a shredder, 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 W0140-03, Panda monitor compost, trade effluent, noise and ambient 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 2013 demonstrated that there is no contamination to the surface water from the facility.

Panda propose to install a wetland system for surface water drainage as set out in the Environmental Targets and Objectives and received planning permission for its construction. The proposal was submitted to the Agency for approval.

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 2013.

Fig. 3: Dust emission results for DS1

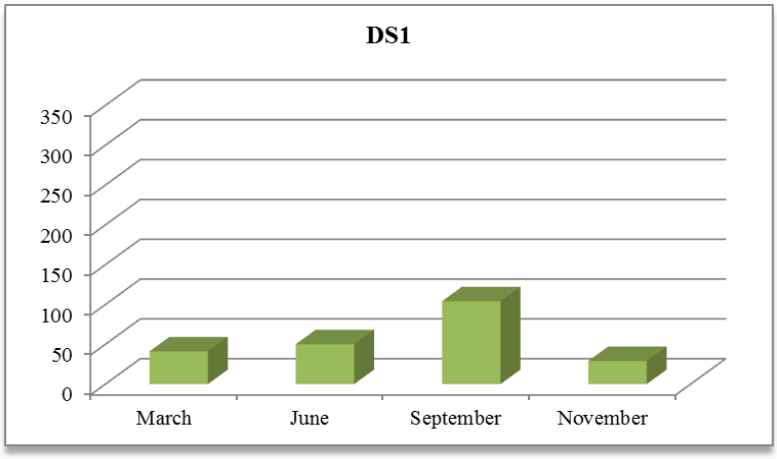


Fig. 4: Dust emission results for DS2

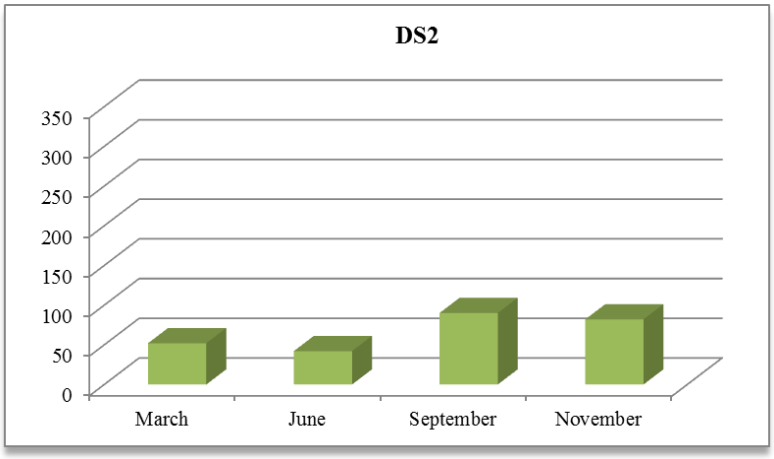


Fig. 5: Dust emission results for DS3

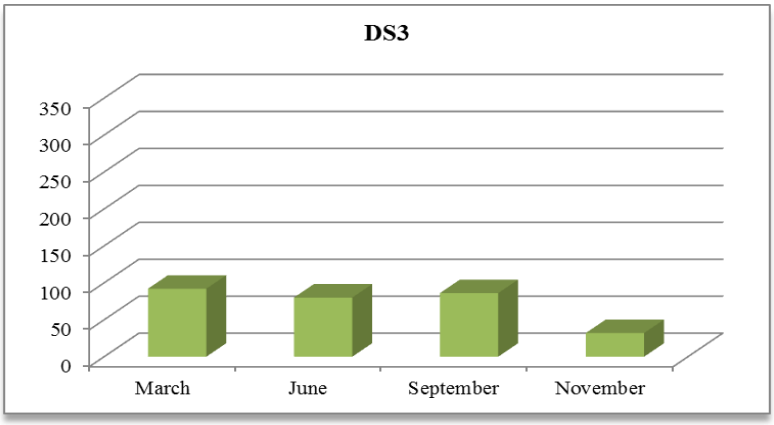


Fig. 6: Dust emission results for DS4

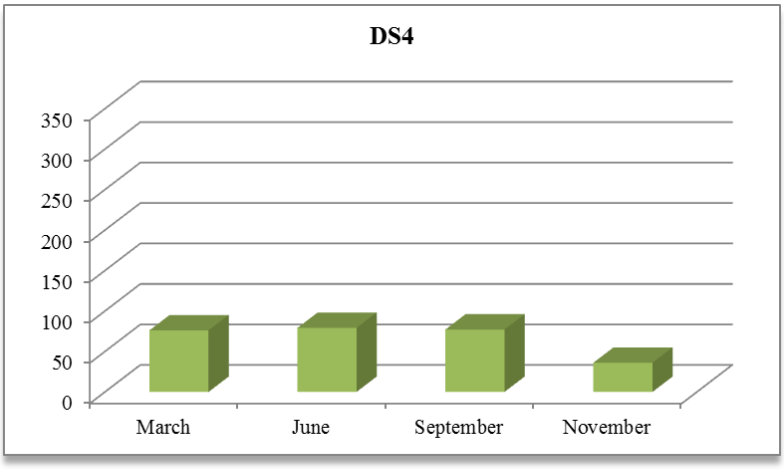
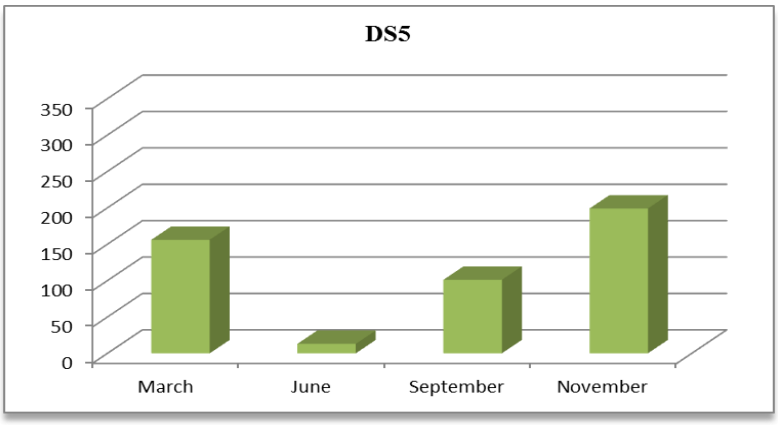


Fig. 7: Dust emission results for DS5



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 2013.

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 22nd April 2013– Intervals 30 minutes

Location	Time	Leq	L10	L90	Comments
NSL1	14.30	50.3	51.5	45.3	N2 and slip road traffic. Panda noise source from site less than 45.3 dBA
NSl2	14.45	50.8	51.6	45.2	N2 & slip road traffic. Panda waste site noise less than 45.2 dBA
NSL3	15.50	75.4	77.8	56.1	N2 road traffic with Panda site noise just audible at less than 48 dBA which was L_{min}
NSL4	16.30	76.6	80.3	54.7	N2 road traffic with Panda site noise inaudible at less than 49.1 dBA which was L_{min}

Table 2: Recorded Noise Levels dB(A) on 12th July 2013– Intervals 30 minutes

Location	Time	Leq	L10	L90	Comments
NSL1	15.00	48.8	52.2	41.7	N2 and slip road traffic. Panda noise source from site less than 45.0 dBA which was L_{min}
NSL2	15.45	47.2	51.1	41.2	N2 & slip road traffic. Panda waste site noise less than 45.0 dBA
NSL3	16.30	77.4	79.4	56.1	N2 road traffic with Panda site noise just audible at less than 49.6 dBA
NSL4	17.00	76.8	79.0	55.8	N2 road traffic with Panda site noise inaudible at less than 45.2 dBA which was L_{min}

Table 3: Recorded Noise Levels dB(A) on 23rd September 2013– Intervals 30 minutes

Location	Time	Leq	L10	L90	Comments
NSL1	10.30	46.3	45.7	37.3	N2 and slip road traffic. Panda noise source from site less than L50 of 44.5 dBA
NSL2	11.15	46.0	45.3	37.1	N2 & slip road traffic. Panda waste site noise less than L50 of 44.2 dBA
NSL3	12.00	77.5	81.0	53.4	N2 road traffic with Panda site noise inaudible at less than 43.7 dBA which was L_{min}
NSL4	12.30	75.2	80.0	52.6	N2 road traffic with Panda site noise just audible at 45.6 dBA

Table 4: Recorded Noise Levels dB(A) on 23rd November– Intervals 30 minutes

Location	Time	Leq	L10	L90	Comments
NSL1	11.00	51.2	52.1	44.5	N2 and slip road traffic. Panda noise source from site less than L50 of 47.9 dBA
NSL2	11.45	50.7	52.0	44.9	N2 & slip road traffic. Panda waste site noise less than L50 of 48.0 dBA
NSL3	12.30	78.8	82.3	54.7	N2 road traffic with Panda site noise inaudible at less than 45.8 dBA which was L_{min}
NSL4	13.00	76.4	81.3	53.8	N2 road traffic with Panda site noise just audible at 53.8 dBA

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 2013. The parameters are within acceptable levels for waste water treatment plants to be able to treat.

Table 5: Results for Trade effluent sent off site for disposal

Parameter	**Units**	**Result** 04/03/13	**Result** 26/09/13
Ammonia	mg/L as N	12.06	6.9
Arsenic	ug/L	3.098	17.65
BOD	mg/L	570	195
Boron	ug/L	457.5	292.8
Cadmium	ug/L	0.287	1.688
Chloride	mg/L	153.9	81.48
Chromium	ug/L	11.22	60.21
COD	mg/L	1176	791
Copper	ug/L	78.03	271.9
Lead	ug/L	59.2	220.7
Mercury	ug/L	0	30.68
Mineral Oil	ug/L	7366.76	22466.1
Nickel	ug/L	39.9	50.33
pH	pH units	6.8	6.7
Selenium	ug/L	0	0
Solids (Total Suspended)	mg/L	166	1854
Sulphate	mg/L as SO_4	586.63	177.16
Zinc	ug/L	155.4	722.4

2.4.5 Compost Analysis

As part of the monitoring programme Panda must test Compost bi-annually. No analysis was carried out in 2013 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 2013 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 2010. The reports show that all under UST, pipes and bund were in accordance with Condition 3.17. A bund, pipe and underground storage tank integrity test commenced in 2013 and will be complete in 2014.

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 2013.

Resource	
Gas Oil	290365 Litres
Electricity	2,376.427 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. Panda applied to the Agency to review our current Waste Licence W0140-03 in 2009 for this development.

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 m^2)
5. One x Waste processing building (2600 m^2)
6. One x Waste processing building (4,248 m^2)
7. Two x Dust suppression system
8. Two x In-vessel Composting Tunnels
9. Ancillary ESB building
10. Canteen & toilets and associated waste water treatment system.
11. Water reservoir (164 m^3) capacity
11. Fencing around the site
12. Tyre Bay

Table 7: Waste processing equipment

Description	Duty Capacity
2 x Composting Tunnels	130 Tonnes per hour (not in use)
1 x Doppstadt Wood Shredder	30 Tonnes per hour
1 x M&J 4000 Shredder	40 Tonnes per hour
1 x Trommel	40 Tonnes per hour
1 x Magnet	5 Tonnes per hour
1 x Nihot Density Separator	50 tonnes per hour
1 x Ballistic Separator	50 Tonnes per hour

1 x Flip Flop	70 tonnes per hour
1 x Magnet	20 Tonnes per hour
1 x Wind Shifter	20 Tonnes per hour
1 x Rubble Crusher	25 Tonnes per day
Mobile	
1 x Volvo L110	2 x Kobelco Track
1 x Teleporter	1 x Hoists
1 x Volvo L60	1 x Forklift
1 x Fuchs Grab	1 x Shunter
1 x Volve L220	
1 x Scarab Roadsweeper	
2 x Ballistic Separator	50 tonnes per hour combined
6 x Overband Magnets	15 tonnes per hour combined
1 x Eddy Currents	3 tonnes per hour
2 x Untha shredder	20 tonnes per hour combined
1 x Single Drum Separator	25 tonnes per hour
1 x M&J 6000 Shredder	35 tonnes per hour
1 x trommel	60 tonnes per hour

There is sufficient back up if the shredder; a loading shovel or an excavator breaks down. The stone crusher is only used intermittently and therefore back up is not required. 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

Proposed infrastructure is outlined in List 2. It is anticipated that the wetlands will be in-place by Q3 2014, with the Anaerobic Digestion plant being built at a later date.

List 2: Proposed infrastructure:

1. Wetland for surface water run off
2. Anaerobic Digestion Building

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.

2.7 PRTR Emission.

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

3.0 Environmental objectives and targets – 2013 and 2014.

No	Objective & Target	Method of Achievement	Responsibility	2013 Programme	Complete in 2013	2014 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	Continuous	Complete	Aug '14
		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	**Assess & Review Resource & Energy Consumption at the site**	Carry out an energy audit on the site	Environmental Manager	May '11	Complete in '12	2015
4	**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				
5	**Assess Waste Acceptance Procedures so as to minimise volume of erratics**	Communicate with customers about the items that are not acceptable in the in-coming wastes	Call Centre/Sales Reps	Continuous	Continuous	Continuous
6	**Environmental Monitoring**	Implement the Environmental Monitoring Programme specified in the Waste Licence	Environmental Manager	Continuous	Continuous	Continuous
		Investigate any accidences of emission limit values	Environmental Manager	Continuous	Continuous	Continuous
7	**Ensure and implement a training programme**	Identify staff training requirements and provide relevant training	Environmental Dept	July '13	Complete in '13	Aug '14

No	Objective & Target	Method of Achievement	Responsibility	2013 Programme	Complete in 2013	2014 programme
8	**To control any emergencies that may arise at the facility**	Review and implement an Emergency Response Procedure	Environmental Manager	May '13	Complete in '13	Aug '13
9	**Prepare a Standard Operating Procedures Manual**	Review the SOP manual relevant to site operations	Environmental Dept	Aug '13	Complete in '13	Aug '14
10	**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	July '13	Complete in '13	Sept '13
11	**Reduce dependence on using wastewater treatment plants for surface water**	Complete design of constructed wetland and seek Agency approval for its construction	Alan Friel	Dec '13	Complete, lodged Jan '14	Construct in July '14 pending approval
12	**Complete shed 3 for RDF/SRF**	Awaiting Agency waste licence review	Environmental Manager	Lodged 2009	Ongoing	Expected in '14
13	**Office Recycling**	Continuation of office recycling	Office Manager/ Environmental Department	Continuous	Continuous	Continuous
14	**Pipe and USB Integrity Test**	Carry out a Pipe and Underground Storage Tank Integrity Test	Environmental Manager/Tanker Dept.	Sept '13	On-going	Aug '14

3.1 Completion of Environmental Targets & Objectives 2013

Panda will endeavour to complete the targets not already completed in 2013. The targets not met in 2013, were due to the continued expansion of Panda's waste recovery activities, such as reviewing the licence. These were delayed so that Panda could best plan to incorporate these new projects into the current facility.

3.2 Summary of reported incidents and complaints

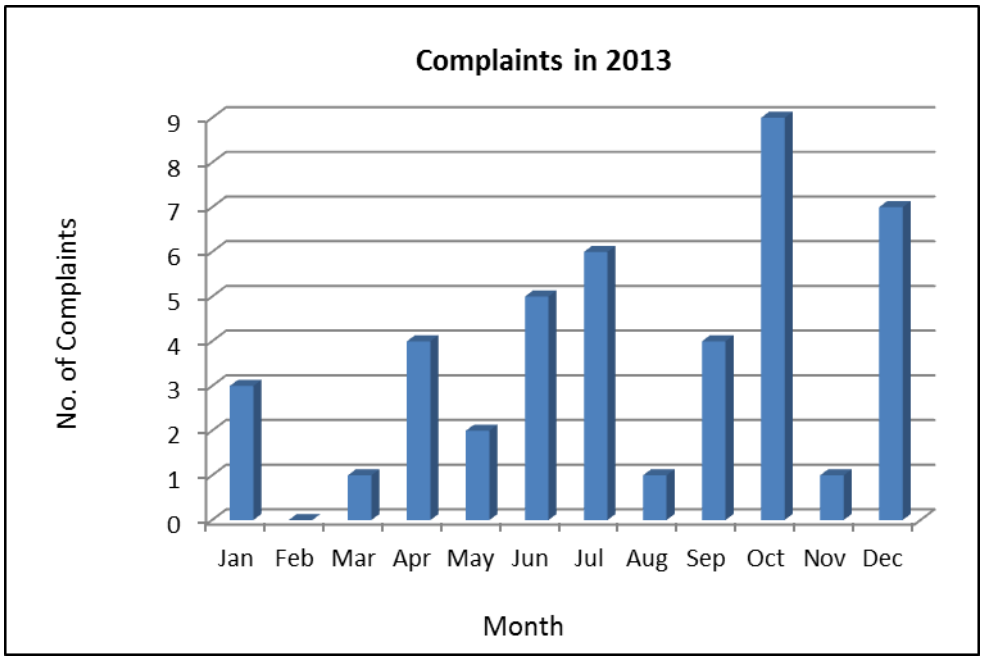
3.2.1. Reported Incidents Summary

There no incident in 2013.

3.2.2 Complaints:

Fig. 8 illustrates complaints either made directly to the Agency or to Panda's facility for each month during 2013. There were a total of 43 complaints made. 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 mobile rotary atomiser-fogging unit for dust control in building 2 which also uses odour neutraliser in conjunction with the spray system. A sprinkling system is on each doorway into shed 1 and between the back-up weighbridge and commercial premise on the western boundary of the facility.

The yard foreman is responsible for controlling the odour-suppressing units. This involves controlling the concentration of odour neutraliser in order to provide adequate odour control. 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 2013. 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 road sweeper with spray bars is available for controlling dust outside the waste transfer station. Dust analysis was carried out four times this year at five locations. A dust suppression system was installed in Shed 2 in 2005 and along the western boundary between the back-up weighbridge and the commercial premise in 2008.

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. Fly treatment is carried out during the summer months.

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, and the following procedures were developed;

- SOP 21 Filling of fuel tanks and mobile plant.

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 2010; one of the features is an Environmental page where the following can be downloaded,

- Facility licences (W0140-03, W0261-01, W0263-01, W0039-02, W0238-02 and W0003-03)
- Multi-regional Waste collection permit (WCP-DC-09-1188-01),
- 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 2013 Panda put advertisements in all the local newspapers to inform customers of the schedule of bin collections over the Christmas Period. Panda also issued all domestic customers with a Christmas calendar showing collection days over that period. 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.

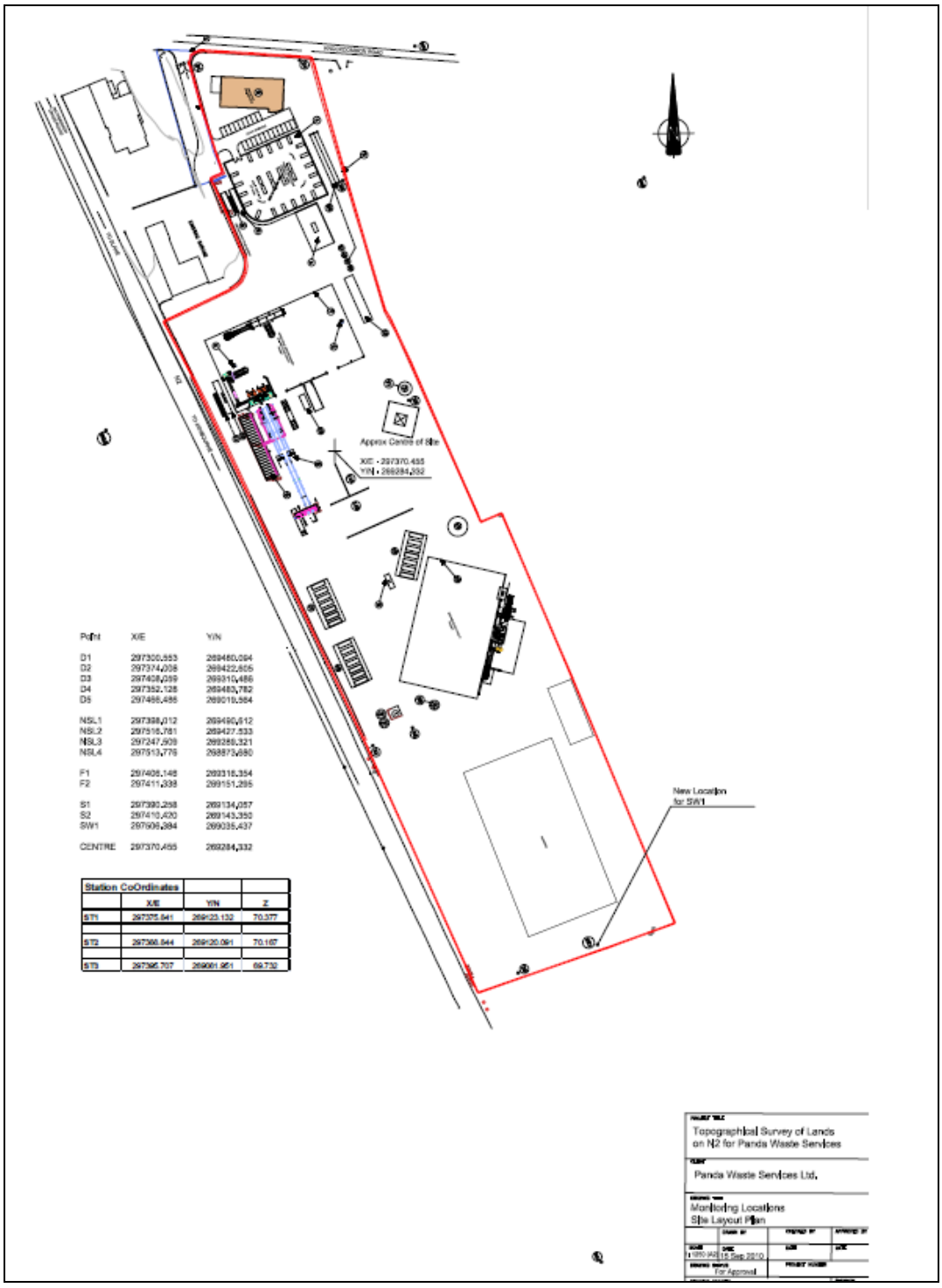
Recycling certificates are issued to customers, on request, so that they can determine their recycling on a weekly/monthly or annual basis.

Advertisements are taken out regularly in the local newspapers informing customers of the services that Panda offer. There is also a large advertisement in the golden pages, which is available to the general public. 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.

The information in the Annual Environmental Report is true and accurate representation of the activities conducted by Panda in 2013.

Appendix A

Site Layout

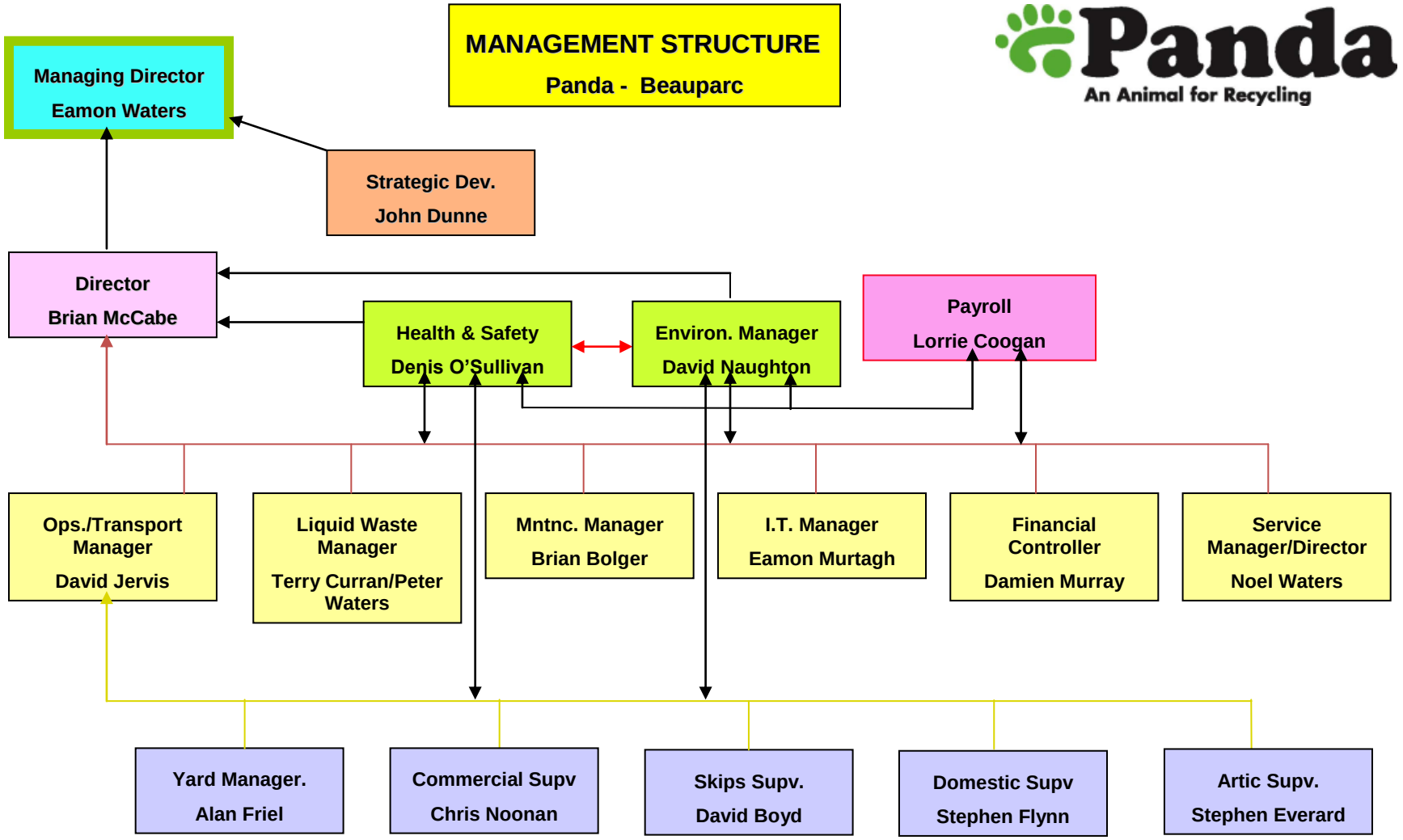


Point	X/E	Y/N
D1	297300.353	269480.094
D2	297374.008	269422.805
D3	297408.059	269310.486
D4	297352.128	269483.782
D5	297466.486	269019.564
NSL1	297398.012	269490.812
NSL2	297516.781	269427.533
NSL3	297247.909	269286.321
NSL4	297513.779	268873.680
F1	297406.148	269316.354
F2	297411.339	269151.295
S1	297390.258	269134.057
S2	297410.420	269143.350
SW1	297506.384	269035.437
CENTRE	297370.455	269284.332

Station CoOrdinates			
	X/E	Y/N	Z
ST1	297375.841	269123.132	70.377
ST2	297366.844	269120.091	70.167
ST3	297395.707	269091.951	69.732

Appendix B

Organisation Chart



Appendix C

Financial Statement

Fagan Lynch Donnellan
Chartered Accountants & Registered Auditors

Our Ref: VL/NMcK

08th January 2014

Environmental Protection Agency,
McCumiskey House,
Richview,
Clonskeagh Road,
Dublin 14.

Re: Nurendale Ltd T/A Panda Waste

Dear Sir,

We act as Accountants and Taxation Agents for the above and have acted in this capacity in excess of 10 years.

We wish to confirm as follows:

1. Statutory Accounts have been filed for all years up to 31.12.2012 with the Companies Office.

   Accounts and Tax Returns have also been filed with Inspector of Taxes for all years to 31st December 2012.

2. The Company trades profitably and is on a very sound financial footing.

If you have any queries, please do not hesitate to contact us.

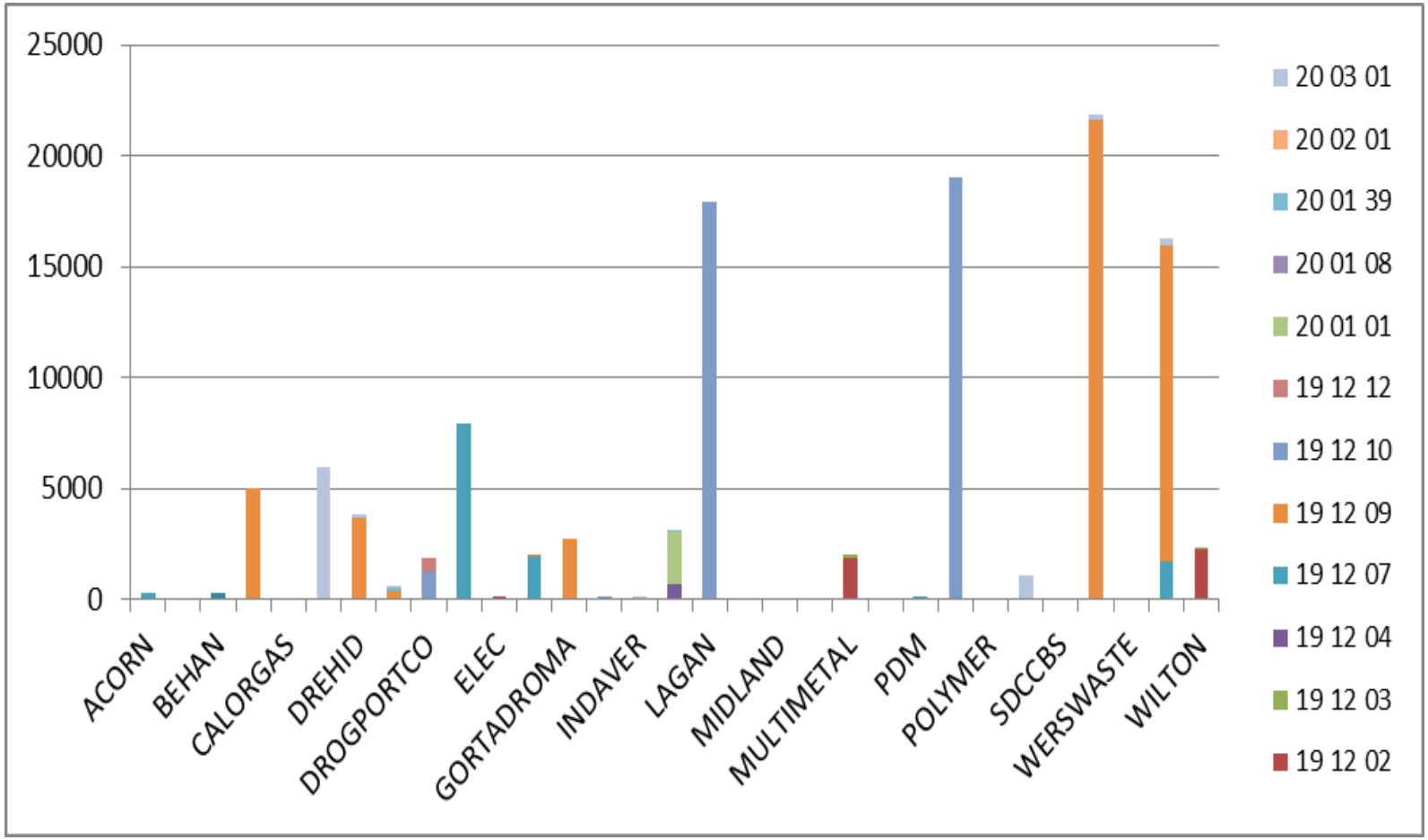
Yours faithfully,

FAGAN LYNCH DONNELLAN

Newbridge House, Athlumney, Navan, Co. Meath
Tel: (046) 9033700 Fax: (046) 9029341 e-mail: info@fld.ie www.fld.ie
John Fagan FCA Vincent Lynch FCA Mark McCartney FCCA

Appendix D

Outgoing by Destination



Appendix E

PRTR Emissions

Environmental Protection Agency

AER Returns Workbook

Version 1.1.18

REFERENCE YEAR	2013

1. FACILITY IDENTIFICATION

Parent Company Name	Nurendale Limited
Facility Name	Nurendale (Rathdinagh)
PRTR Identification Number	W0140
Licence Number	W0140-03

Waste or IPPC Classes of Activity

No.	class_name
4.4	Recycling or reclamation of other inorganic materials.
3.11	Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.
3.12	Repackaging 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.
4.11	Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule.
4.13	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.
4.2	Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes).
4.3	Recycling or reclamation of metals and metal compounds.
Address 1	Rathdrinagh
Address 2	Beauparc
Address 3	Navan
Address 4	County Meath
	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@panda.ie
AER Returns Contact Position	Environmental Officer
AER Returns Contact Telephone Number	1850 65 65 65
AER Returns Contact Mobile Phone Number	086 6045905
AER Returns Contact Fax Number	046 9024189
Production Volume	0.0
Production Volume Units	
Number of Installations	1
Number of Operating Hours in Year	0
Number of Employees	160
User Feedback/Comments	Wastewater is tankered to a wastewater treatment plant and results from wash down water from buildings that's processes waste.
Web Address	

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 ?	
If applicable which activity class applies (as per Schedule 2 of the regulations) ?	
Is the reduction scheme compliance route being used ?	

4. WASTE IMPORTED/ACCEPTED ONTO SITE Guidance on waste imported/accepted onto site

Do you import/accept waste onto your site for on-site treatment (either recovery or disposal activities) ?	No

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

4.1 RELEASES TO AIR Link to previous years emissions data | PRTR# : W0140 | Facility Name : Nurendale (Rathdinagh) | Filename : W0140_2013 (1) Beauparc.xlsx | Return Year : 2013 | 25/04/2014 15:48

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SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

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

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

SECTION B : REMAINING PRTR POLLUTANTS

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

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

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

RELEASES TO AIR					Please enter all quantities in this section in KGs							
POLLUTANT		METHOD			QUANTITY							
					DS1							
Pollutant No.	Name	M/C/E	Method Used: Method Code	Method Used: Designation or Description	Emission Point 1	Emission Point 2	Emission Point 3	Emission Point 4	Emission Point 5	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
210	Dust	M	ALT	Gravimetry	0.02	0.02	0.03	0.02	0.04	0.13	0.0	0.0

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

Additional Data Requested from Landfill operators

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

Landfill: Nurendale (Rathdinagh)

Please enter summary data on the quantities of methane flared and / or utilised	T (Total) kg/Year	M/C/E	Method Used: Method Code	Method Used: Designation or Description	Facility Total Capacity m3 per hour	
Total estimated methane generation (as per site model)	0.0				N/A	
Methane flared	0.0				0.0	(Total Flaring Capacity)
Methane utilised in engine/s	0.0				0.0	(Total Utilising Capacity)
Net methane emission (as reported in Section A above)	0.0				N/A	

4.2 RELEASES TO WATERS Link to previous years emissions data | PRTR# : W0140 | Facility Name : Nurendale (Rathdinagh) | Filename : W0140_2013 (1) Beauparc.xlsx | Return Year : 2013 | 25/04/2014 15:48

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

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

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

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

SECTION B : REMAINING PRTR POLLUTANTS

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

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

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

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

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

4.3 RELEASES TO WASTEWATER OR SEWER

Link to previous years emissions data | PRTR# : W0140 | Facility Name : Nurendale (Rathdrinagh) | Filename : W0140_2013 (1) Beaupare.xl 25/04/2014 15:40

SECTION A : PRTR POLLUTANTS

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
			Method Used					
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
06	Ammonia (NH3)	M	ALT	Colorimetry	19.62	19.62	0.0	0.0
17	Arsenic and compounds (as As)	M	ALT	ICPMS	0.02	0.02	0.0	0.0
18	Cadmium and compounds (as Cd)	M	ALT	ICPMS	0.0	0.0	0.0	0.0
79	Chlorides (as Cl)	M	ALT	Colorimetry	243.57	243.57	0.0	0.0
19	Chromium and compounds (as Cr)	M	ALT	ICPMS	0.07	0.07	0.0	0.0
20	Copper and compounds (as Cu)	M	ALT	ICPMS	0.36	0.36	0.0	0.0
23	Lead and compounds (as Pb)	M	ALT	ICPMS	0.29	0.29	0.0	0.0
21	Mercury and compounds (as Hg)	M	ALT	ICPMS	0.03	0.03	0.0	0.0
22	Nickel and compounds (as Ni)	M	ALT	ICPMS	0.09	0.09	0.0	0.0
24	Zinc and compounds (as Zn)	M	ALT	ICPMS	0.91	0.91	0.0	0.0

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

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

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
			Method Used					
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
303	BOD	M	ALT	Electrometry	791.63	791.63	0.0	0.0
374	Boron	M	ALT	ICPMS	0.78	0.78	0.0	0.0
306	COD	M	ALT	Colorimetry	2095.48	2095.48	0.0	0.0
324	Mineral oils	M	SSC	GC-FID	30.87	30.87	0.0	0.0
370	Selenium	M	ALT	ICPMS	0.0	0.0	0.0	0.0
240	Suspended Solids	M	ALT	Filtration/Drying @104C	2090.33	2090.33	0.0	0.0
343	Sulphate	M	ALT	Colorimetry	790.38	790.38	0.0	0.0

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

4.4 RELEASES TO LAND

Link to previous years emissions data | PRTR# : W0140 | Facility Name : Nurendale (Rathdrinagh) | Filename : W0140_2013 (2) 120514.xls | Return Year : 2013 | 14/05/2014 10:28

SECTION A : PRTR POLLUTANTS

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

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

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

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

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

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE | PRTR# : W0140 | Facility Name : Nurendale (Rathdinagh) | Filename : W0140_2013 (1) Beauparc.xlsx | Return Year : 2013 | 25/04/2014 15:50

Please enter all quantities on this sheet in Tonnes 83

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste : Name and Licence/Permit No of Next Destination Facility Non Haz Waste: Name and Licence/Permit No of Recover/Disposer	Haz Waste : Address of Next Destination Facility Non Haz Waste: Address of Recover/Disposer	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used					
Within the Country	15 01 01	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 01 04	No	51.24	metallic packaging	R12	M	Weighed	Offsite in Ireland	Multimetals,WFP-WW-09-0014-01	Conway Port Industrial Estate,Ballarney,Murrough Co. Wicklow,,,Ireland		
Within the Country	16 01 03	No	51.96	end-of-life tyres	R12	M	Weighed	Offsite in Ireland	Irish Packaging Recycling Ltd,W0263-01	Ballymount Road,Walkinstown,Dublin 12,,,Ireland		
Within the Country	16 05 05	No	4.5	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 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	Barnmore Demolition,WPT 129	21A Baldoyle Industrial Estate,Baldoyle,Dublin 13,,,Ireland		
Within the Country	19 12 02	No	1834.34	ferrous metal	R12	M	Weighed	Offsite in Ireland	Multimetals,WFP-WW-09-0014-01	Conway Port Industrial Estate,Ballarney,Murrough Co. Wicklow,,,Ireland		
Within the Country	19 12 02	No	2194.44	ferrous metal	R13	M	Weighed	Offsite in Ireland	Panda Cappagh,W0261-01	Cappagh Road,Finglas,Dublin 11,,,Ireland		
Within the Country	19 12 03	No	89.51	non-ferrous metal	R12	M	Weighed	Offsite in Ireland	Multimetals,WFP-WW-09-0014-01	Conway Port Industrial Estate,Ballarney,Murrough Co. Wicklow,,,Ireland		
Within the Country	19 12 04	No	605.12	plastic	R12	M	Weighed	Offsite in Ireland	Irish Packaging Recycling Ltd,W0263-01	Ballymount Road,Walkinstown,Dublin 12,,,Ireland		
Within the Country	19 12 07	No	7890.18	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	1891.14	wood other than that mentioned in 19 12 06	R13	M	Weighed	Offsite in Ireland	Farmers,N/a	.,.,.,.,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	94.52	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	1664.68	wood other than that mentioned in 19 12 06	R13	M	Weighed	Offsite in Ireland	Whitetver Landfill,W0060-02	Dunleer,Co. Louth,,,,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	Clonmel Waste Disposal,WFP-TS-11-0001-01	Lawlesstown,Clonmel,Co. Tipperary,,,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	Whitetver 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	3650.56	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 Baldoyle Industrial Estate,Baldoyle,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	14312.36	minerals (for example sand, stones)	R13	M	Weighed	Offsite in Ireland	Whitetver 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,Kilcock, Co. Meath,,,Ireland		
Within the Country	19 12 09	No	5030.8	minerals (for example sand, stones)	R13	M	Weighed	Offsite in Ireland	Farmers,N/a	.,.,.,.,Ireland		
Within the Country	19 12 10	No	0.0	combustible waste (refuse derived fuel)	R12	M	Weighed	Offsite in Ireland	Greyhound,W0205-01	Crag Avenue,Clondalkin Industrial Estate,Condalkin Co Dublin,,,Ireland		

Within the Country	19 12 10	No	17888.73	combustible waste (refuse derived fuel)	R1	M	Weighed	Offsite in Ireland	Lagan Cement ,P0487-05	Killaskillen,Kinnegad,Co. Meath,,,Ireland
Within the Country	19 12 10	No	1258.96	combustible waste (refuse derived fuel)	R13	M	Weighed	Offsite in Ireland	Drogheda Port Co.,WFP-LH-11-0006-01	Tom Roes Point Facility,Baltray Road,Drogheda,Co. Louth,Ireland
Within the Country	19 12 10	No	0.0	combustible waste (refuse derived fuel)	R1	M	Weighed	Offsite in Ireland	Indaver,W0167-02	Carranstown,Duleek,Co. Meath,,,Ireland
Within the Country	19 12 10	No	19059.22	combustible waste (refuse derived fuel)	R1	M	Weighed	Offsite in Ireland	Irish Cement,P0030	Platin,Drogheda,Co. Meath,,,Ireland
Within the Country	19 12 10	No	9.96	combustible waste (refuse derived fuel)	R12	M	Weighed	Offsite in Ireland	South Dublin Baling Station,W0003	Ballymount Baling Station,Ballymount Road,Walkinstown,Dublin 12,Ireland
Within the Country	19 12 10	No	0.0	combustible waste (refuse derived fuel)	R13	M	Weighed	Offsite in Ireland	Panda Ballymount,W0039-02	Ballymount Cross,Tallaght,Dublin 24,,,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	R12	M	Weighed	Offsite in Ireland	Greyhound,W0205-01	Crag Avenue,Clondalkin Industrial Estate,Condalkin Co Dublin,,,Ireland
Within the Country	19 12 12	No	19.78	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	R1	M	Weighed	Offsite in Ireland	Indaver,W0167-02	Carranstown,Duleek,Co. Meath,,,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	R12	M	Weighed	Offsite in Ireland	Padraig Thornton Waste Disposal Ltd,W0044	Killeen Road,Ballyfermot,Dublin 10,,,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	R13	M	Weighed	Offsite in Ireland	Panda Ballymount,W0039-02	Ballymount Cross,Tallaght,Dublin 24,,,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	R12	M	Weighed	Offsite in Ireland	Wiser,.	Middleton,Co. Cork,,,,Ireland
Within the Country	20 01 01	No	2343.26	paper and cardboard	R12	M	Weighed	Offsite in Ireland	Irish Packaging Recycling Ltd,W0263-01	Ballymount Road,Walkinstown,Dublin 12,,,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	26.1	plastics	R12	M	Weighed	Offsite in Ireland	Irish Packaging Recycling Ltd,W0263-01	Ballymount Road,Walkinstown,Dublin 12,,,Ireland
Within the Country	20 03 01	No	0.0	mixed municipal waste	D1	M	Weighed	Offsite in Ireland	Balloaly Landfill,W0009-03	Balloaly Landfill,Lusk,Co. Dublin,,,Ireland
Within the Country	20 03 01	No	5908.3	Dry Recyclables	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	20 03 01	No	0.0	Dry Recyclables	R12	M	Weighed	Offsite in Ireland	Dillon waste and recycling,WFP-KY-10-001-01	The Korries,Tralee,Co. Kerry,,,Ireland
Within the Country	20 03 01	No	167.24	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	Greyhound,W0205-01	Crag Avenue,Clondalkin Industrial Estate,Condalkin Co Dublin,,,Ireland
Within the Country	20 03 01	No	116.44	mixed municipal waste	R1	M	Weighed	Offsite in Ireland	Indaver,W0167-02	Carranstown,Duleek,Co. Meath,,,Ireland
Within the Country	20 03 01	No	0.0	mixed municipal waste	D1	M	Weighed	Offsite in Ireland	Knockharley Landfill,W0146-02	Knockharley,Navan,Co. Meath,,,Ireland
To Other Countries	20 03 01	No	1027.42	Dry Recyclables	R12	M	Weighed	Abroad	Regen,44110	Shepherds Drive,Carnbane Industrial Estate,Newry Co. Down,BT35 6JQ,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	320.38	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	Ballynagran Landfill,W0165	Co. Wicklow,,,,,,Ireland
Within the Country	20 03 01	No	0.0	Dry Recyclables	R12	M	Weighed	Offsite in Ireland	Irish Packaging Recycling Ltd,W0263-01	Ballymount Road,Walkinstown,Dublin 12,,,Ireland
Within the Country	20 03 01	No	0.0	Dry Recyclables	R12	M	Weighed	Offsite in Ireland	Padraig Thornton Waste Disposal Ltd,W0044	Killeen Road,Ballyfermot,Dublin 10,,,Ireland
Within the Country	20 03 01	No	0.0	mixed municipal waste - levy exempt	D1	M	Weighed	Offsite in Ireland	Whiterivor Landfill,W0060-02	Dunleer,Co. Louth,,,,Ireland
Within the Country	20 03 01	No	0.0	Dry Recyclables	R13	M	Weighed	Offsite in Ireland	Panda Ballymount,W0039-02	Ballymount Cross,Tallaght,Dublin 24,,,Ireland
Within the Country	16 01 03	No	3.8	end-of-life tyres	R13	M	Weighed	Offsite in Ireland	Farmers,N/a	-,-,-,-,,Ireland
Within the Country	15 01 04	No	17.36	metallic packaging	R12	M	Weighed	Offsite in Ireland	Wilton Waste,WFP-CN-10-0005-01(1)	Kiffagh,Crosserlough,Ballyjamesduff,Co. Cavan,Ireland
Within the Country	17 01 07	No	35.02	mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06	R10	M	Weighed	Offsite in Ireland	Murphy Environmental,W0129-01	Hollywood Great,Nags Head,The Naul,Co. Dublin,Ireland

Within the Country	17 05 04	No	255.74	soil and stones other than those mentioned in 17 05 03	R10	M	Weighed	Offsite in Ireland	Behans Land Restoration Ltd,W0247-01	Blackhall,Punchestown,Naas ,Co. Kildare,Ireland
Within the Country	17 05 04	No	75.5	soil and stones other than those mentioned in 17 05 03	R10	M	Weighed	Offsite in Ireland	Nurendale,W0261-01	Cappagh Road,Finglas,Dublin 11,,,Ireland
To Other Countries	17 08 02	No	76.3	gypsum-based construction materials other than those mentioned in 17 08 01	R12	M	Weighed	Abroad	Baron Recycling Ltd,Ni 070049	31 The Dales,Cookstown,Co. Tyrone,BT80 8TF,United Kingdom
Within the Country	17 09 04	No	27.36	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	AES Navan,W0131	Navan,Co. Meath,,,,Ireland
Within the Country	19 12 03	No	50.98	non-ferrous metal	R12	M	Weighed	Offsite in Ireland	Dublin Regional Recovery Facility,W0239-01	Merrywell Industrial Estate,Ballymount Road Lower,Ballymount Dublin 12,,,Ireland
Within the Country	19 12 03	No	87.16	non-ferrous metal	R12	M	Weighed	Offsite in Ireland	Wilton Waste,WFP-CN-10-0005-01(1)	Kiffagh,Crossorlough,Ballyja mesduff,Co. Cavan,Ireland
Within the Country	19 12 04	No	48.9	plastic and rubber	R12	M	Weighed	Offsite in Ireland	Polymer Recovery Ltd,WFP-WW-12-0030-01	The Murrough,Wicklow,,,Co. Wicklow,Ireland
Within the Country	19 12 04	No	78.58	plastic and rubber	R12	M	Weighed	Offsite in Ireland	Wheeley Environmental Refuse Services,WFP-G-09-0002-01	Weir Road Business Park,Weir Road ,Tuam,Co. Galway,Ireland
Within the Country	19 12 07	No	253.54	wood other than that mentioned in 19 12 06	R3	M	Weighed	Offsite in Ireland	Acorn Recycling Ltd,W0249-01	Ballybog,Littleton,Co. Tipperary,,,Ireland
Within the Country	19 12 07	No	22.5	wood other than that mentioned in 19 12 06	R12	M	Weighed	Offsite in Ireland	Monaghan County Council,W0020-01	Scotch Corner Landfill,Lotterbane,Annyalla Castleblaney,Co. Monaghan,Ireland
Within the Country	19 12 09	No	274.46	minerals (for example sand, stones)	R13	M	Weighed	Offsite in Ireland	Nurendale,W0261-01	Cappagh Road,Finglas,Dublin 11,,,Ireland
Within the Country	19 12 09	No	2740.9	minerals (for example sand, stones)	R13	M	Weighed	Offsite in Ireland	Limerick County Council,W0017-04	Gortadroma Landfill,Gortadroma,Ballyhah ill,Co. Limerick,Ireland
Within the Country	19 12 09	No	16.66	minerals (for example sand, stones)	R13	M	Weighed	Offsite in Ireland	Monaghan County Council,W0020-01	Scotch Corner Landfill,Lotterbane,Annyalla Castleblaney,Co. Monaghan,Ireland
Within the Country	19 12 09	No	21587.12	minerals (for example sand, stones)	R13	M	Weighed	Offsite in Ireland	Nurendale,W0039-02	Ballymount Cross,Tallaght,Dublin 24,,,Ireland
To Other Countries	19 12 10	No	97.32	combustible waste (refuse derived fuel)	R1	M	Weighed	Abroad	Holcim,AAI/AL/013/07	Rambla Olivera S/N,04140 Carboneras,,,,Spain
Within the Country	19 12 10	No	8.74	combustible waste (refuse derived fuel)	R1	M	Weighed	Offsite in Ireland	Nurendale,W0039-02	Ballymount Cross,Tallaght,Dublin 24,,,Ireland
Within the Country	19 12 12	No	620.7	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	R13	M	Weighed	Offsite in Ireland	Drogheda Port Co.,WFP-LH-11-0006-01	Tom Roes Point Facility,Baltray Road,Drogheda,Co. Louth,Ireland
Within the Country	20 01 08	No	8.18	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 39	No	175.52	plastics	R12	M	Weighed	Offsite in Ireland	Nurendale,W0261-01	Cappagh Road,Finglas,Dublin 11,,,Ireland
Within the Country	20 02 01	No	24.84	biodegradable waste	R13	M	Weighed	Offsite in Ireland	Nurendale,W0039-02	Ballymount Cross,Tallaght,Dublin 24,,,Ireland
Within the Country	**20 03 01**	**No**	5.62	Dry Recyclables	R13	M	Weighed	Offsite in Ireland	Nurendale,W0261-01	Cappagh Road,Finglas,Dublin 11,,,Ireland
Within the Country	20 03 01	No	248.36	mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Nurendale,W0039-02	Ballymount Cross,Tallaght,Dublin 24,,,Ireland
Within the Country	19 12 02	No	88.94	ferrous metal	R12	M	Weighed	Offsite in Ireland	Electrical Waste Management Ltd,WFP-DS-09-0012-01	Block 648 Jordanstown Drive,Greenogue Industrial Estate,Rathcoole,Co. Dublin,Ireland

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