

 **Panda**  
**An Animal for Recycling**

*Site: Cappagh Road, Finglas, Dublin 11*

*Waste Licence Number W0261-01*

*Annual Environmental Report*

*01<sup>st</sup> September 2010 – 31<sup>st</sup> December 2010*

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## **1.0 Introduction**

Panda were granted the EPA Waste Licence W0261-01 on the 31<sup>st</sup> August 2010. This replaces the Waste Permit WPT 95 issued by Fingal County Council. Under this licence, Panda will be able to process initially 50,000 tonnes per annum under Stage 1 and 200,000 tonnes per annum (upon completion of necessary infrastructure). Appendix A illustrates the current site layout.

### 1.1 Company details

Licence No: W0261-01

Name: Nurendale Limited t/a Panda Waste Services

Address: Cappagh Road,  
Finglas,  
Dublin 11.

Telephone Number: 01 8298961 or 1850 65 65 65

Fax Number: 046 9024189

Website: [www.panda.ie](http://www.panda.ie)

## 1.2 Management Structure

Eamon Waters is the Managing Director of Panda. Brian McCabe and Noel Waters are company Directors. David Naughton is the Environmental Manager. Kieran Connor is the facility Manager on site. There are 50 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 W0261-01, Panda conducts 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 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 and 2010. Panda also won the inaugural Meath Innovator of the year 2010 and Meath Overall Business of the year 2010.

The normal facility operating hours are 6am-5pm (Monday-Friday) & 6am-2pm (Saturdays). The facility is licensed to accept non-hazardous wastes only.

**1.6 Waste Activities carried out at the Facility**

Waste accepted and dispatched at the facility is weighed using P&L’s weighbridge software “IWS5”. Panda currently operates a single building for waste acceptance. The facility is used as a transfer facility. The facility accepts predominantly Mixed C&D waste from construction and demolition sites, household renovations/clearances and C&I Dry mixed municipal Waste (Non black bag-putrescible waste). No hazardous waste, putrescible waste or liquid wastes are accepted at the facility.

Ferrous, Non Ferrous, Wood and bulky waste are segregated from the incoming waste, in the facility using a Kobelco Grab and loading shovel, and stored in the building for

onward movement. The remaining mixed C&D is then bulked up and sent onward to Panda's headquarters for processing. Source segregated cardboard and plastic bales are also accepted for bulking up from Dunnes Stores collections nationwide.

Panda accept source segregated plasterboard waste for periodic processing (c8 weeks per annum) in conjunction with Gypsum Recycling Ireland Ltd. This is stored in a designated section of the building so as to avoid contamination from the Mixed C&D waste stream.

There is a dual weighbridge for incoming and outgoing waste.

### 1.7 Water Usage:

Water for dust suppression, office and amenities use is taken from municipal supply and is metered by the council.

Water usage on site consists of:

- In-house road sweeper (3 visits per week).
- Dust suppression sprayers in the shed and on the South-western external side of shed (as required)
- Hoses on site for dust suppression.
- Fire Fighting equipment.

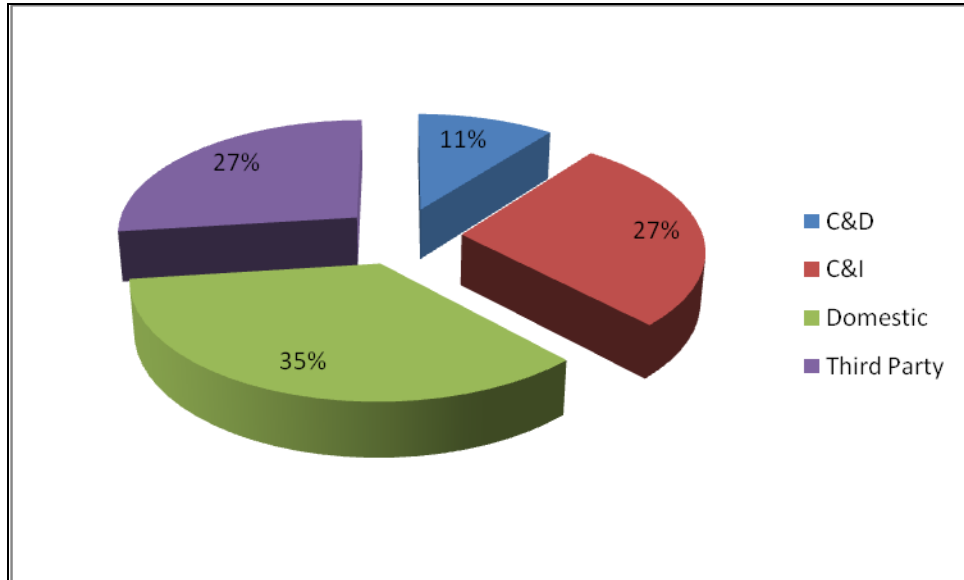
## 2.0 Summary Information

### 2.1 Waste Received

The waste received at the facility from the 1<sup>st</sup> September 2010 to the 31<sup>st</sup> December 2010 was 21,864.39 tonnes. From the pie chart (Fig 1) it is evident that domestic waste is the largest source of Panda's waste acceptance. This waste comprises skip waste collected from households.



**Fig. 1:** Waste Collected by Panda 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 of waste removed off site by EWC Code.

## 2.3 Waste Recovery Reports

To contribute to the Landfill Directive, Panda invested in a C&D processing line in 2005. A shredder, trommel, magnet, wind shifter and a picking line were purchased so as to divert as much C&D waste away from landfill as possible to reach the “Changing Our Ways 1998” target of diverting 85% away from Landfill by 2013. To date the processing of C&D Waste has been extremely successful. Panda are using the rubble segregated at the facility as a raw material in the use of landfill road construction and as back fill on construction works. The timber that is segregated in the shed is then shredded and recycled.

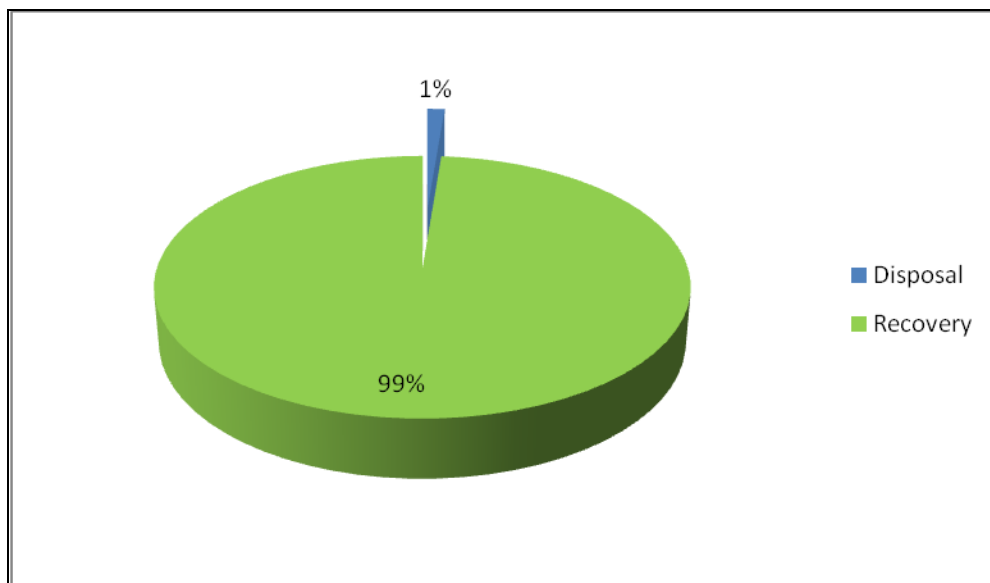
Panda are also in the process of finalising their RDF plant. This plant will recover the vast majority of Mixed Municipal Waste handled by Panda including the residual waste from the Cappagh facility. Panda are currently reviewing their Waste Licence for this facility. Other materials recovered from this facility are ferrous metals, wood, and plasterboard waste. The residuals waste is currently sent to landfill for disposal. 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.

Table 1 and Fig. 2 details the recovery rates of waste leaving Panda’s facility.

**Table 1:** Outgoing destination and recovery rate.

Destination	Tonnage	%
Disposal	260.92	1.26
Recovery	20402.84	98.74
Trade Effluent	0	0.00

**Fig. 2:** Outgoing destination recovery rate.



## 2.4 Summary report on emissions and interpretation of environmental monitoring

Under Schedule C of the licence W0261-01, Panda are required to monitor storm water emissions, BMW content of municipal waste dispatched to landfill (Frequency-as specified by the Agency), trade effluent, noise and ambient air monitoring (Dust). 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.

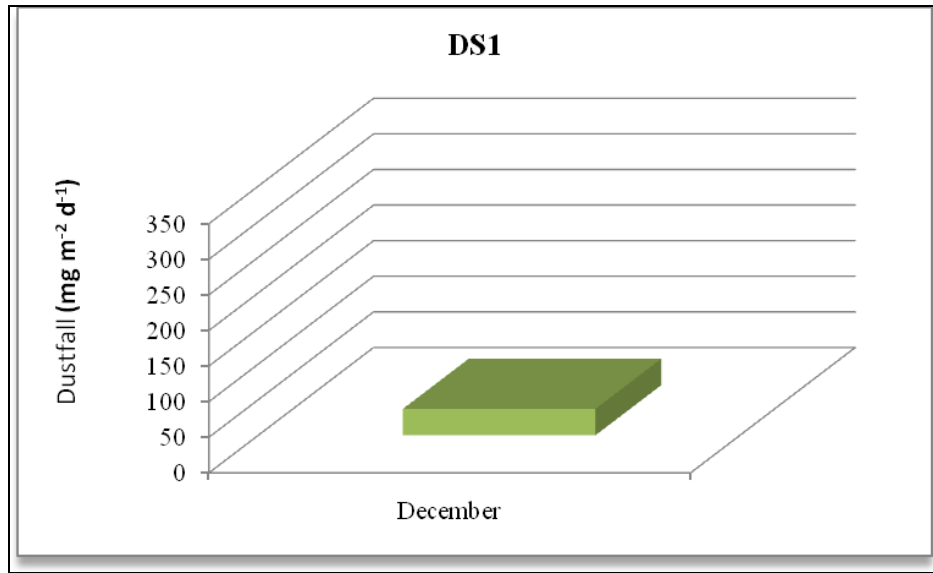
### *2.4.1 Surface Water*

Storm water passes through a silt trap and oil interceptor prior to being discharged to sewer, which ultimately discharges into a tributary of the Tolka River. The surface water monitoring point is located at the south-eastern corner of the facility at the co-ordinates X/E 310429 Y/N 240420 (SW1).

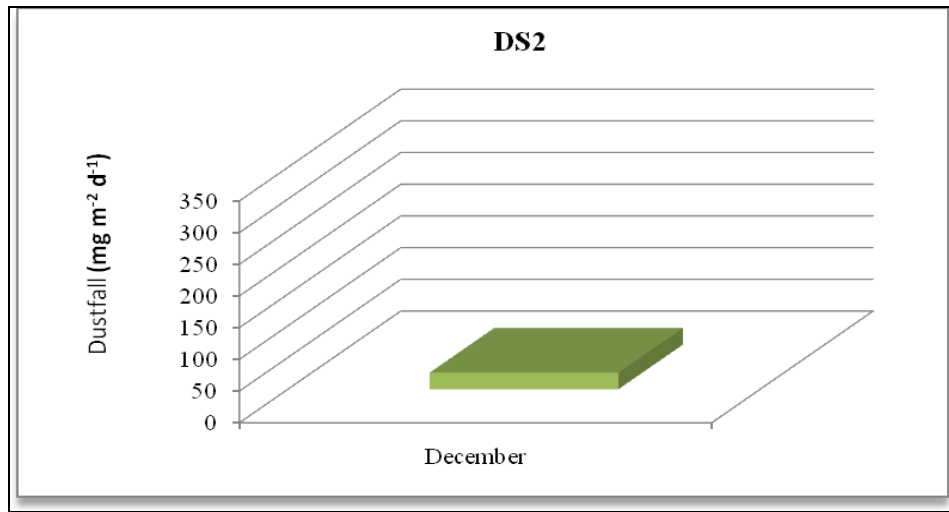
### *2.4.2 Dust Emissions*

As per schedule B5 for dust deposition limits, there are currently two sampling locations (AD1 and AD2). Monitoring is required bi-annually on site. A dust suppression unit was installed in the shed to ensure dust emissions from the tipping, sorting and reloading are kept to a minimum. Figs 3&4 illustrate dust recordings for 2010.

**Fig. 3:** Dust emission results for DS1 (AD1)



**Fig. 4:** Dust emission results for DS2 (AD2)



As per Schedule B.5, the dust deposition limit for the site is  $350 \text{ mg m}^{-2} \text{d}^{-1}$ . Both AD1 and AD2 are well within licenced ELV's.

### 2.4.3 Noise Emissions

Noise emissions are monitored according to Schedule B.4 and the emission limit values (ELV) set out in Schedule C.5 of the licence. An independent competent consultant has

been commissioned to conduct the noise sampling for the facility. No monitoring was conducted in 2010. 2011 monitoring has been scheduled for April 2011.

#### *2.4.4 Trade Effluent*

As part of the monitoring programme Panda must test the trade effluent sent off site for disposal. No trade effluent was disposed of in 2010 under the waste licence.

#### *2.4.5 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 is scheduled for Q3 of 2011.

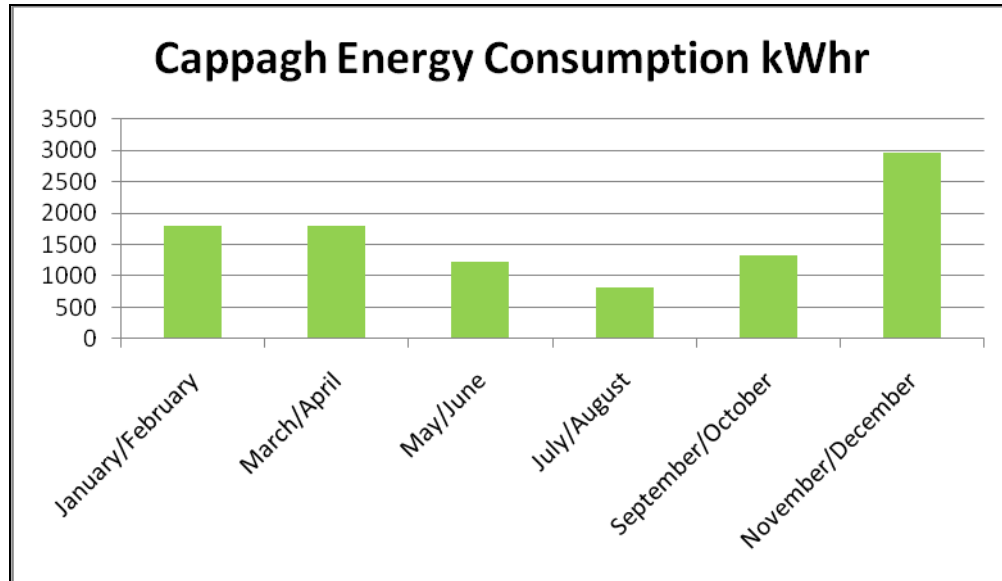
#### *2.4.6 Summary of resource and energy consumption*

The following discusses resources used in 2010 i.e. Fuel, Electricity and Water.

##### *2.4.6.1 Electricity*

Fig. 5. Shows the electrical energy consumption for the period September 2010 – December 2010. It is evident that the energy consumption increased in the winter months.

**Fig. 5:** Bar chart of electrical energy consumption for September 2010 to December 2010



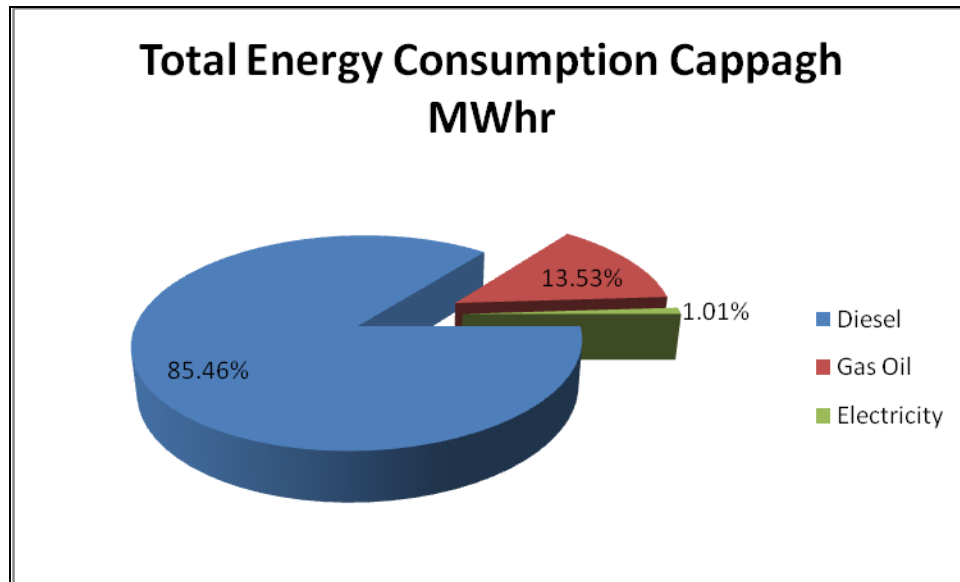
2.4.6.2 Fuel

The Table 2 and Fig. 6. below shows a summary of the energy consumption.

**Table 2:** Summary of Energy Consumption from September 2010 to December 2010.

Resource	Litres	MWhr
Diesel	79213.7	839.67
Gas Oil	12537.5	132.90
Electricity		9.93
<b>Total</b>	<b>91751.2</b>	<b>982.49</b>

**Fig. 6:** Total Energy Consumption.



#### 2.4.6.3 Water

Water is obtained from the municipal waster supply.

#### 2.5 Site infrastructure

The following are details on infrastructure in the facility.

##### 2.5.1 In-place

The current site infrastructure is outlined below (List 1). List 2 details the waste processing equipment used on site.

**List 1:** Current site infrastructure

1. Offices
2. Dual Weighbridge.
3. One x Waste processing building
4. One x Dust suppression system
5. Ancillary ESB building

6. Canteen & toilets.
7. Water Attenuation Tank
8. Oil Interceptor
9. Fuel Depot
10. Fencing around the site

**List 2:** Waste processing equipment

**Mobile**

- 1 x JCB Shovel
- 1 x Linde Forklift
- 1 x Kobelco Track

There is sufficient back up within the group if the loading shovel, forklift or tracks break down.

*2.5.2 Planned Infra-structure*

Proposed infrastructure is outlined in List 3. It is anticipated that the concrete yards will be completed by the end of 2011 and the dry recycling building being completed in late 2012.

**List 3:** Proposed infrastructure:

1. Dry Recycling Building
2. Completion of concrete in yard.



## 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.

## 2.7 PRTR Emission.

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

### 3.0 Environmental objectives and targets – 2011.

No	Objective & Target	Method of Achievement	Responsibility	Timescale
1	<b>Assess the Effectiveness of Nuisance Control Procedures</b>	Continually review and assess all nuisance control procedures to ensure minimal impact on surrounding area	Facility Manager	Ongoing
		Ensure yards are cleaned at the end of each working day	Operatives	Ongoing
2	<b>Prevent Water Pollution from Run-Off</b>	Complete a Firewater Risk Assessment	Facility Manager/ Env Dept	May 2011
		Ensure all gullies are maintained and regularly cleaned	Facility Manager/ Operatives	Ongoing
		Ensure that levels in trade effluent tanks are maintained at an appropriate height	Facility Manager/Operatives	On-going
3	<b>Assess &amp; Review Resource &amp; Energy Consumption at the site</b>	Carry out an energy audit on the site	Facility Manager	September 2011
4	<b>Maintain and Develop the Environmental Management System</b>	Maintain EMS Documentation on site	Facility Manager	December 2011
		Up date procedures to reflect operational and control changes		
5	<b>Assess Waste Acceptance Procedures so as to minimise volume of erratics</b>	Communicate with customers about the items that are not acceptable in the in-coming wastes	Facility Manager/ Sales Reps	On-going
6	<b>Environmental Monitoring</b>	Implement the Environmental Monitoring Programme specified in the Waste Licence	Facility Manager	On-going
		Investigate any accidents of emission limit values	Facility Manager	On-going
7	<b>Ensure and implement a training programme</b>	Identify staff training requirements and provide relevant training	Facility Manager/ Env Dept	May 2011
8	<b>To control any emergencies that may arise at the facility</b>	Establish and implement an Emergency Response Procedure	Facility Manager/ Env Dept	May 2011
9	<b>Prepare a Standard Operating Procedures Manual</b>	Prepare a comprehensive SOP manual relevant to site operations	Facility Manager/ Env Dept	May 2011

### 3.1 Summary of reported incidents and complaints

#### *3.1.1 Reported Incidents Summary*

No incidents occurred during this licence in 2010.

#### *3.1.2 Complaints:*

No incidents occurred during this licence in 2010.

### 3.2 Review of nuisance controls

#### *3.2.1 Odour*

There is minimal risk of odour nuisance due to the nature of the waste accepted at the facility. However, Panda's in house roadsweeper visits the facility and sprays odour neutralising liquid mixed with water on all concreted yards.

There is a power washer available to wash odorous bins. Each day, the facility manager conducts an inspection of the site. Odour nuisances are included on this inspection.

#### *3.2.2 Noise*

Noise monitoring is scheduled for April 2011. The monitoring results are anticipated to show that noise is not a nuisance, as only a loading shovel, track and fork lift are operational on site.

#### *3.2.3 Dust*

A dust suppression system is installed in the shed and on the external (South-western side) of the building. A road sweeper visits the site at a minimum 3 times per week or

more frequently if required. Fire hoses are also available to spray water on concreted yards as required.

#### *3.2.4 Vermin*

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

#### *3.2.5 Flies*

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

#### *3.2.6 Birds*

In order to avoid having birds as a nuisance, litter control is practised at all times, this includes regular litter patrols.

#### *3.2.7 Litter*

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

### **4.0 Development of Procedures on Site**

The Environmental Management System has been developed and include the following Standard Operating Procedure;

- Corrective Action;
- Daily Site Inspections;

- Nuisance Management;
- Emergency Response;
- Unacceptable Waste;
- Communications Programme;
- Storage of Fuels and Oils;
- Training and Awareness;
- Environmental Complaints;

A Daily Site Inspection Sheet has been developed to record any potential nuisance on or points to note including a map of the facility for reference as to the location of the nuisance.

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

- Facility licences (W0140-03, W0261-01, W0263-01)
- Multi-regional Waste collection permit (WCP-DC-09-1188-01),
- Environmental Policy,

We will also upload the current Annual Environmental Report for each facility.

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. This proved extremely beneficial during the poor weather experienced during December 2010 informing customers of difficulties with collecting waste on specified days due to dangerous road conditions.

Over the Christmas period 2010 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 run or route, this would also be advertised in the local media.

In March 2009, Panda commenced SMS messaging to domestic customers regarding their collections. This was beneficial especially during December 2010 in the inclement weather conditions; this enables Panda to contact customers to inform them that collection days may have to change to alternative days, from this Panda received positive feedback. 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 monthly basis.

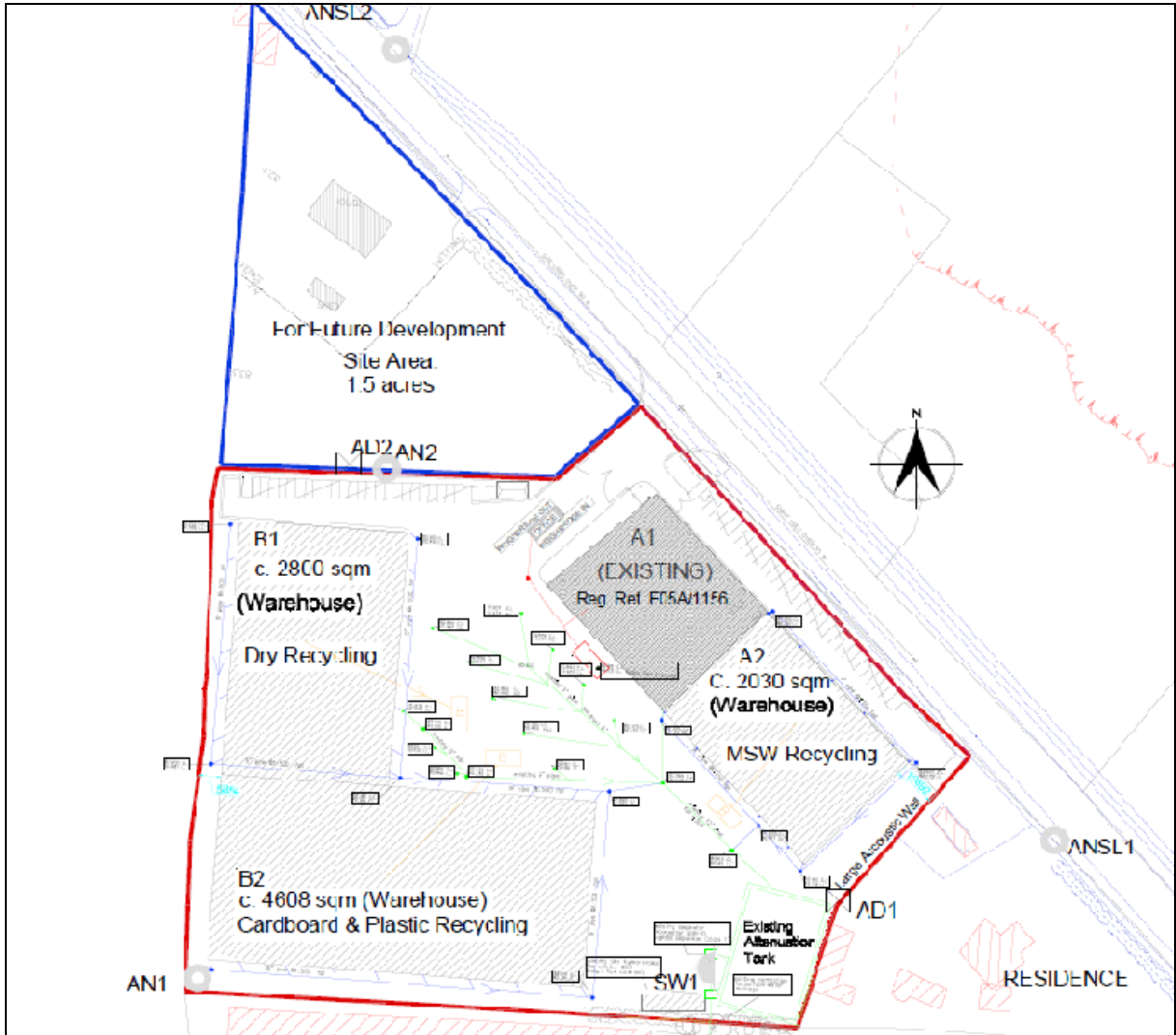
Advertisements are taken out regularly in the local newspapers informing customers of the services that Panda offer. There is also a large advertisement in the golden pages, which is available to the general public. Regular tours of the facility are given to schools and to members of the public upon 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 2010.

# Appendix A

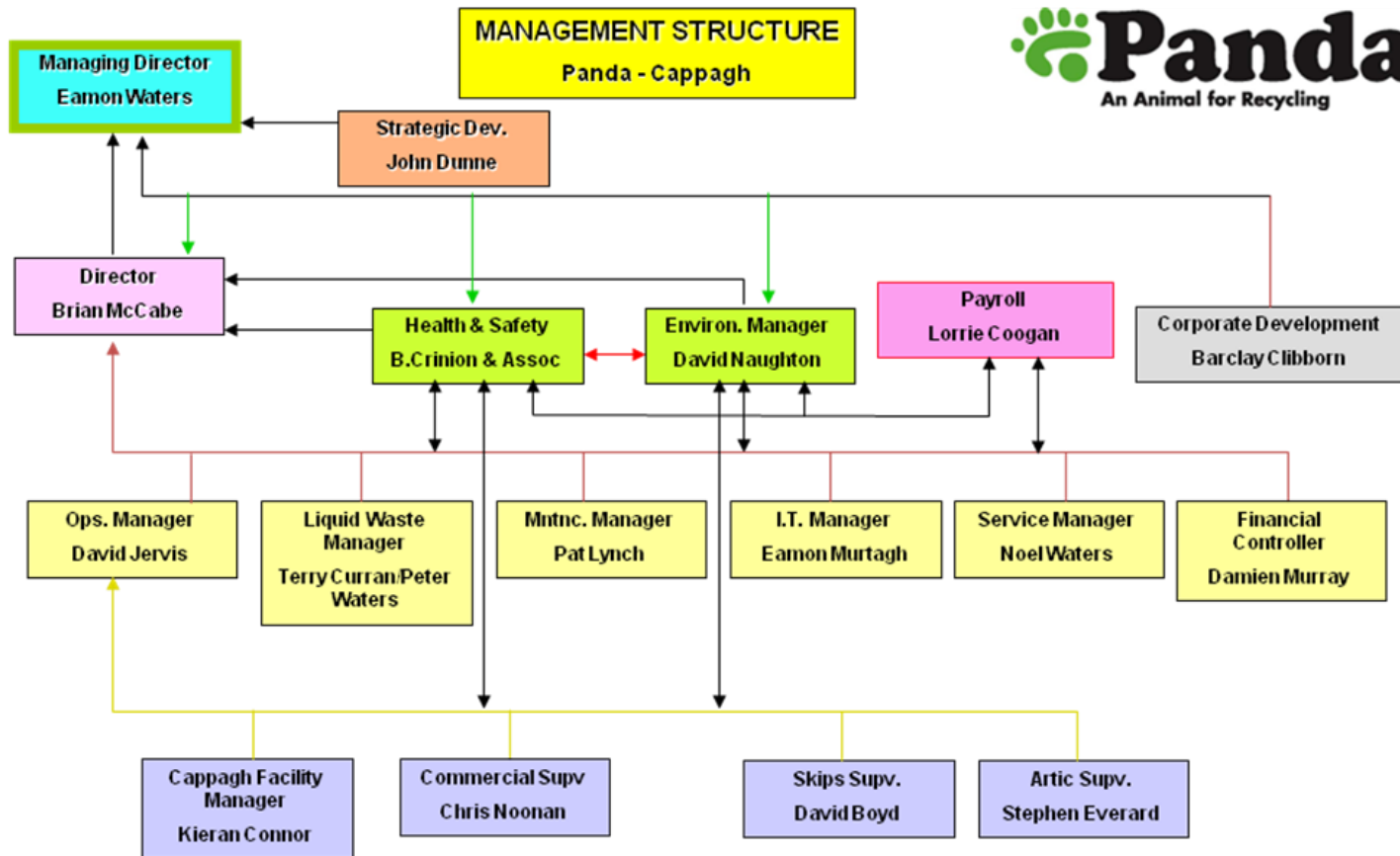
## Site Layout





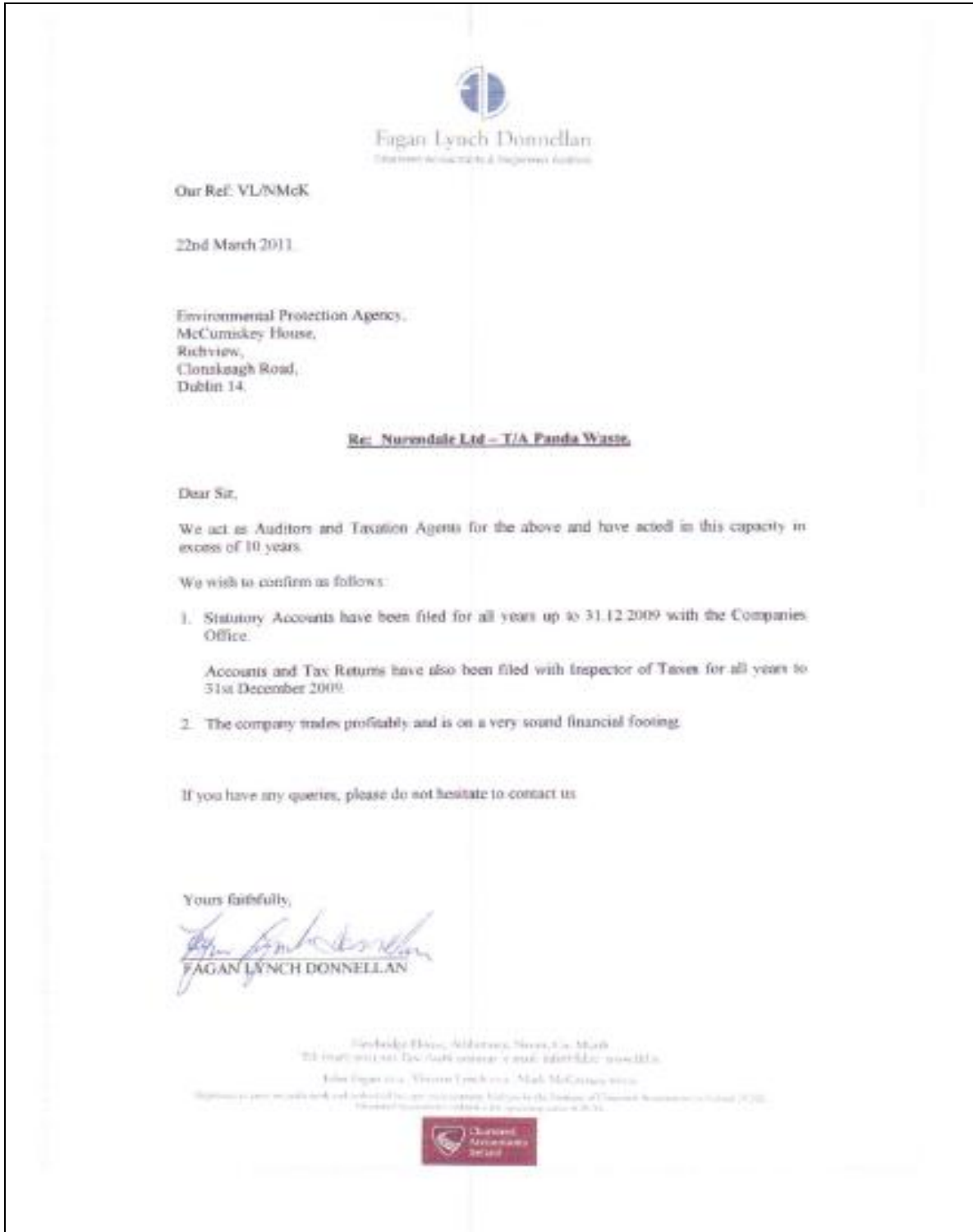
# Appendix B

## Organisational Structure



# Appendix C

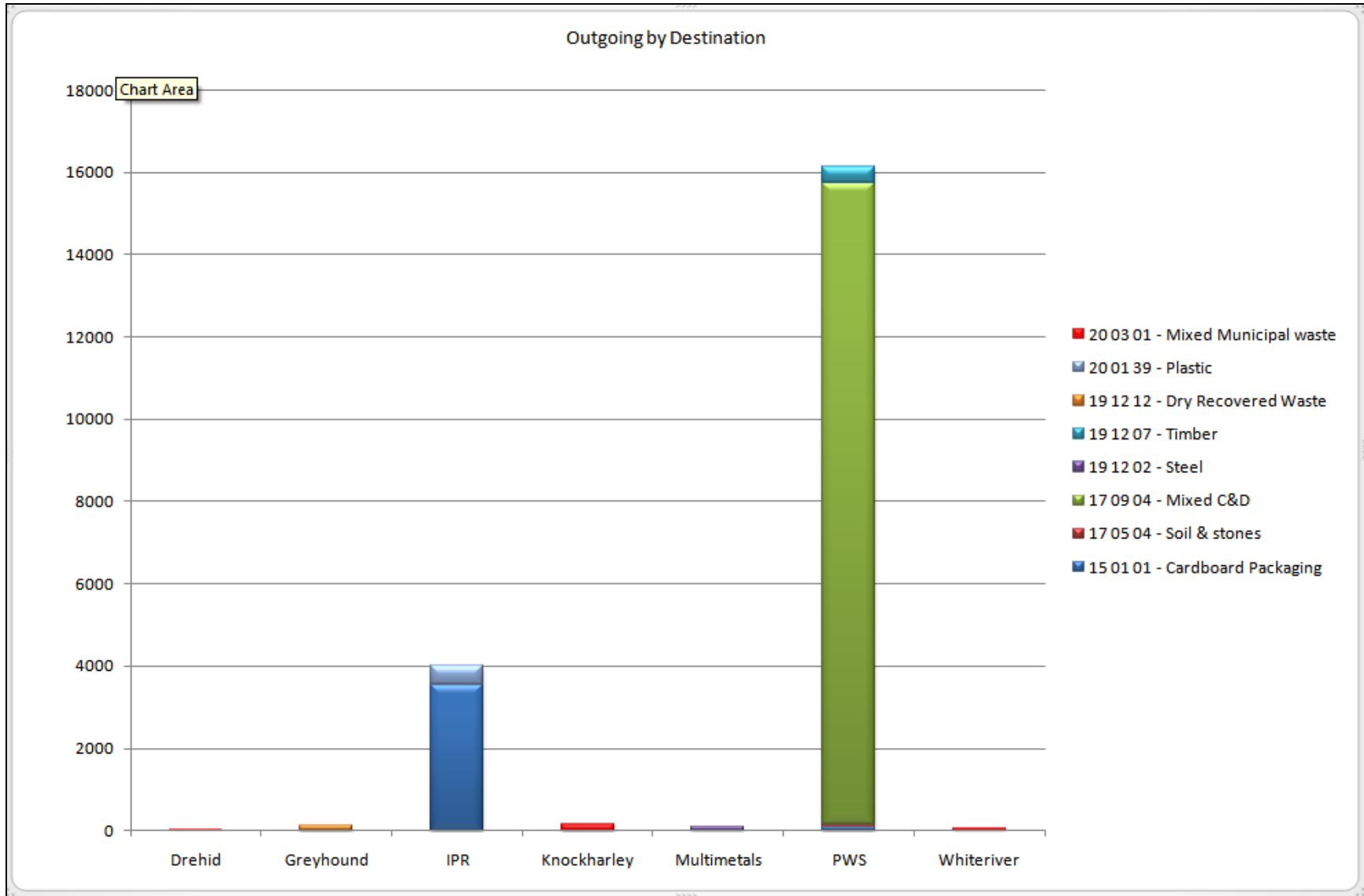
## Financial Statement



## Appendix D


### Outgoing by Destination

EWC - Product	Drehid	Greyhound	IPR	Knockharley	Multimetals	PWS	Whiteriver
15 01 01 - Cardboard Packaging			3527.89			81.98	
17 05 04 - Soil & stones						61.42	
17 09 04 - Mixed C&D						15610.6	
19 12 02 - Steel					105.54		
19 12 07 - Timber						401.14	
19 12 12 - Dry Recovered Waste		136.2					
20 01 39 - Plastic			478.07				
20 03 01 - Mixed Municipal waste	38.62			163.12			59.18



# Appendix E

## PRTR Emissions

 Environmental Protection Agency		<small>IPRT: W0261 Facility Name: Panda Waste File name: PRTRW0261-01 2010.01 Release Year: 2010</small>																		
<a href="#">Guidance to completing the PRTR workbook</a>		<h3>AER Returns Workbook</h3> <small>Version 1.4.11</small>																		
<b>REFERENCE YEAR</b> 2010																				
<b>1. FACILITY IDENTIFICATION</b>																				
Parent Company Name	Nurendale Ltd trading as Panda Waste Services Ltd.																			
Facility Name	Panda Waste																			
PRTR Identification Number	W0261																			
Licence Number	W0261-01																			
Waste or IPPC Class or Activity	<table border="1"> <thead> <tr> <th>Waste or IPPC Class or Activity</th> <th>class_name</th> </tr> </thead> <tbody> <tr><td>4.4</td><td>Recycling or reclamation of other inorganic materials.</td></tr> <tr><td>3.11</td><td>Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.</td></tr> <tr><td>3.12</td><td>Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.</td></tr> <tr><td>3.13</td><td>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.</td></tr> <tr><td>4.11</td><td>Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule.</td></tr> <tr><td>4.13</td><td>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.</td></tr> <tr><td>4.2</td><td>Recycling or reclamation of organic substances which are not used as solvents (including compaction and other biological transformation processes).</td></tr> <tr><td>4.3</td><td>Recycling or reclamation of metals and metal compounds.</td></tr> </tbody> </table>		Waste or IPPC Class or Activity	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 compaction and other biological transformation processes).	4.3	Recycling or reclamation of metals and metal compounds.
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4.3	Recycling or reclamation of metals and metal compounds.																			
Address 1	Cappagh Road																			
Address 2	Finglar																			
Address 3	Dublin 11																			
Address 4																				
Country	Ireland																			
Co-ordinator of Location	-6.3388153,40272																			
River Basin District	IEEA																			
NACE Code	3832																			
Main Economic Activity	Recovery of sorted materials																			
AER Return Contact Name	David Naughtan																			
AER Return Contact Email Address	David.Naughtan@panda.ie																			
AER Return Contact Position	Environmental Manager																			
AER Return Contact Telephone Number	086 6045905																			
AER Return Contact Mobile Phone Number	086 6045905																			
AER Return Contact Fax Number	046 9024189																			
Production Volume	0.0																			
Production Volume Unit																				
Number of Installations	0																			
Number of Operating Hours in Year	0																			
Number of Employees	0																			
User Feedback/Comments																				
Web Address																				
<b>2. PRTR CLASS ACTIVITIES</b>																				
Activity Number	Activity Name																			
50.1	General																			
5(a)	Installations for the recovery or disposal of hazardous																			
5(c)	Installations for the disposal of non-hazardous waste																			
50.1	General																			
<b>3. SOLVENTS REGULATIONS (S.I. No. 543 of 2002)</b>																				
Is it applicable?																				
Have you been granted an exemption?																				
If applicable which activity class applies (as per Schedule 2 of the regulations)?																				
Is the reduction scheme compliance route being used?																				
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**4.1 RELEASES TO AIR** [Link to previous years emissions data](#)

EPTRR:\WEB\17\FacilityName: Panda\Waste\FacilityName: PRTR\M0214-012018.Label.Release.Year:2018 23/03/2019 16:47

**SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS**

**RELEASES TO AIR** 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	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

ADD NEW ROW | DELETE ROW \* \*Select rows 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		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	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

ADD NEW ROW | DELETE ROW \* \*Select rows 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		ADD EMISSION POINT		QUANTITY			
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	DS1	DS2	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
210	Dest	M	ALT	Gravimetry	Emission Point 1 37.0	Emission Point 2 26.0	63.0	0.0	0.0

ADD NEW ROW | DELETE ROW \* \*Select rows 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 at their facilities in accompanying the figures for total methane generated. Operators should only report their Net methane (CH4) emissions in the environmental under T (Total) KG/yr for Section B: Sector specific PRTR pollutants above. Please complete the table below:

Landfill: Panda Waste

Please enter summary data on the quantities of methane flared and / or utilised

T (Total) kg/Year	M/C/E	Method Used		Facility Total Capacity m3 per
		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

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<b>4.2 RELEASES TO WATERS</b> <a href="#">Link to previous years emissions data</a>		IPTR#: W02611 Facility Name: Panda Waste   Filename: PRTR W0261-012010.xls   Return Year: 2010				29/03/2011 14:47			
<b>SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS</b>		<i>Note on ambient monitoring of storm/effluent water or groundwater, conducted as part of your licence requirements, should NOT be submitted under</i>							
<b>RELEASES TO WATERS</b>		<b>Please enter all quantities in this section in KGs</b>							
<b>POLLUTANT</b>		<b>Method Used</b>			<b>ADD EMISSION POINT</b>	<b>QUANTITY</b>			
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	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0	0.0
<input type="button" value="ADD NEW ROW"/> <input type="button" value="DELETE ROW *"/>		* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button							
<b>SECTION B : REMAINING PRTR POLLUTANTS</b>									
<b>RELEASES TO WATERS</b>		<b>Please enter all quantities in this section in KGs</b>							
<b>POLLUTANT</b>		<b>Method Used</b>			<b>ADD EMISSION POINT</b>	<b>QUANTITY</b>			
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	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0	0.0
<input type="button" value="ADD NEW ROW"/> <input type="button" value="DELETE ROW *"/>		* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button							
<b>SECTION C : REMAINING POLLUTANT EMISSIONS (as required in your Licence)</b>									
<b>RELEASES TO WATERS</b>		<b>Please enter all quantities in this section in KGs</b>							
<b>POLLUTANT</b>		<b>Method Used</b>			<b>ADD EMISSION POINT</b>	<b>QUANTITY</b>			
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	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0	0.0
<input type="button" value="ADD NEW ROW"/> <input type="button" value="DELETE ROW *"/>		* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button							
<input type="button" value="PRINT THIS SHEET"/>									
<input type="button" value="HELP"/>									

**4.3 RELEASES TO WASTEWATER OR SEWER** [Link to previous years emissions data](#) IPTR# : W02611 Facility Name : Panda Waste IFilename : PRTR W0261-012010.sdr I Return Year : 20 29/03/2011 14:47

**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	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 2) 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	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 2) then click the delete button.

**4.4 RELEASES TO LAND** [Link to previous years emissions data](#) IPTR# : W02611 Facility Name : Panda Waste IFilename : PRTR W0261-012010.sdr I Return Year : 2010 29/03/2011 14:47

**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	F (Fugitive) KG/Year
						0.0	0.0	0.0

\* Select a row by double-clicking on the Pollutant Name (Column 2) 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	F (Fugitive) KG/Year
						0.0	0.0	0.0

\* Select a row by double-clicking on the Pollutant Name (Column 2) then click the delete button.



5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE (PRTR/W0201) Facility Name: Panda/Waste/ File name: PRTR/W0201-012010.html Release Year: 2010												
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 Host Destination Facility	Has Waste: Address of Host Destination Facility	Name and Licence / Permit No. and Address of Final Receptor / Disposer [HAZARDOUS WASTE ONLY]	Relevant Address of Final Destination i.e. Final Receptor / Disposal Site [HAZARDOUS WASTE ONLY]
						M/C/E	Method Used		Has Waste: Name and Licence/ Permit No. of Receptor/ Disposer	Has Waste: Address of Receptor/ Disposer		
Within the Country	15 01 01	No	3527.89	paper and cardboard packaging	R13	M	weighed	Offsite in Ireland	Irish Packaging Recycling Ltd, WPR 021/2	Ballymount Road, Walkinstown, Dublin 12, Ireland		
Within the Country	15 01 01	No	81.98	paper and cardboard packaging	R13	M	weighed	Offsite in Ireland	Nurendale Ltd, W0140-03	Meath, Ireland	Beauparc Business Park, Navan, Co. Meath, Ireland	
Within the Country	17 05 04	No	61.42	soil and stones other than those mentioned in 17 05 03	R13	M	weighed	Offsite in Ireland	Nurendale Ltd, W0140-03	Meath, Ireland	Beauparc Business Park, Navan, Co. Meath, Ireland	
Within the Country	17 03 04	No	15610.6	mixed construction and demolition wastes other than those mentioned in 17 03 01, 17 03 02 and 17 03 03	R13	M	weighed	Offsite in Ireland	Nurendale Ltd, W0140-03	Meath, Ireland	Beauparc Business Park, Navan, Co. Meath, Ireland	
Within the Country	19 12 02	No	105.54	ferrous metal	R13	M	weighed	Offsite in Ireland	Multimetal Recycling Ltd, WFP-W/W-03-0014-01	Co. Wicklow, Ireland	Conway Port Industrial Estate, Ballynagney, Murrough, Co. Wicklow, Ireland	
Within the Country	19 12 07	No	401.14	wood other than that mentioned in 19 12 06	R13	M	weighed	Offsite in Ireland	Nurendale Ltd, W0140-03	Meath, Ireland	Beauparc Business Park, Navan, Co. Meath, Ireland	
Within the Country	19 12 12	No	136.2	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	Greyhound Recycling & Recovery Ltd, W0205-01	Dublin, Ireland	Cragg Avenue, Clonsilla Industrial Estate, Co. Dublin, Ireland	
Within the Country	20 01 33	No	478.07	plastics	R13	M	weighed	Offsite in Ireland	Irish Packaging Recycling Ltd, WPR 021/2	Ballymount Road, Walkinstown, Dublin 12, Ireland		
Within the Country	20 03 01	No	38.62	mixed municipal waste	R13	M	weighed	Offsite in Ireland	Bord Na Mona Dreid Waste Management Facility, W0201-01	Killinagh Upper, Carbury, Co. Kildare, Ireland		
Within the Country	20 03 01	No	163.12	mixed municipal waste	R13	M	weighed	Offsite in Ireland	Greenstar Holdings Ltd, W0146-01	Meath, Ireland	Knockharley Landfill, Kentstown, Co. Meath, Ireland	
Within the Country	20 03 01	No	53.18	mixed municipal waste	R13	M	weighed	Offsite in Ireland	Louth County Council, W0060-02	Louth, Ireland	Whiteriver Landfill, Dundalk, Co. Louth, Ireland	

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

g & percentage change

ADD NEW ROW

DELETE ROW

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