

 **Panda**
An Animal for Recycling

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

Waste Licence Number W0140-03

Annual Environmental Report

01st January 2012 – 31st December 2012

Table of Contents

Table of Contents	2
1.0 Introduction	4
1.1 Company details	4
1.2 Management Structure	5
1.3 Financial Provision	5
1.4 Environmental Policy.....	5
1.5 Activities	6
1.6 Waste Activities carried out at the Facility	7
1.7 Water Usage:	9
2.0 Summary Information.....	9
2.1 Waste Received	9
2.2 Waste Transferred Off-Site for Disposal or Recovery	10
2.3 Waste Recovery Reports.....	10
2.4 Summary report on emissions and interpretation of environmental monitoring.....	11
2.4.1 <i>Surface Water</i>	11
2.4.2 <i>Dust Emissions</i>	12
2.4.3 <i>Noise Emissions</i>	15
2.4.4 <i>Trade Effluent</i>	17
2.4.5 <i>Compost Analysis</i>	17
2.4.6 <i>Biofilter Monitoring</i>	18
2.4.7 <i>Bund, pipe and underground storage tanks integrity</i>	18
2.4.8 <i>Summary of resource and energy consumption</i>	18
2.5 Site infrastructure	18
2.5.1 <i>In-place</i>	19
2.5.2 <i>Planned Infra-structure</i>	20
2.6 Progress Report on Proposals Developed to Minimise Water Demand & Trade Effluent Discharge.....	21
2.7 PRTR Emission.	21
3.0 Environmental objectives and targets – 2012 and 2013.	22
3.1 Completion of Environmental Targets & Objectives 2012.....	24
3.2 Summary of reported incidents and complaints	24
3.2.1 <i>Reported Incidents Summary</i>	24
3.2.2 <i>Complaints:</i>	24

3.3 Review of nuisance controls	25
3.3.1 Odour	25
3.3.2 Noise.....	25
3.3.3. Dust	26
3.3.4. Vermin	26
3.3.5. Flies.....	26
3.3.6. Birds	26
3.3.7. Litter.....	26
4.0 Development of Procedures on Site	27
5.0 Pollution Emission Register	27
6.0 Report on Programme for Public Information	27
Appendix A.....	29
Appendix B	30
Appendix C	31
Appendix D.....	32
Appendix E	33

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 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 “IWS5”, which was upgraded to IWS6 in 2011. Panda operate three different sheds for processing the different waste streams. Waste accepted into building 1 includes Wood, and Dry Recyclables, Small quantities of Mixed Municipal Waste was also accepted for immediate transfer to landfill. Source Segregated Paper and Cardboard was also accepted for transfer. SRF was also produced in shed 1 from lights removed from shed 2 and small quantities of dry commercial waste suitable for SRF production.

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 1 for SRF production with residuals being sent to landfill. 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 invested in 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 sent to various outlets for different uses such as the manufacturing of chipboard.

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 were approved by the Agency to trial/commission the SRF process in building 3 in July 2010. Following this very successful trial period, Panda were able to determine what modifications are required so that the process runs as efficiently as possible. This reconfiguration was carried out during Q1, Q2 and Q3 of 2011. The production of SRF recommenced in the end of Q3 and Q4 of 2011. The process involves the use of Ballistics, Magnets, Eddy Currents, Single Drum Separators, Optical Sorters and Shredder to produce a SRF material suitable as a fuel substitute in Cement Manufacturing Plants. Following an incident with this process in June 2012, this process ceased. This process was relocated in shed 1.

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 overground water storage tank.

Water from the storage tank used on site consists of:

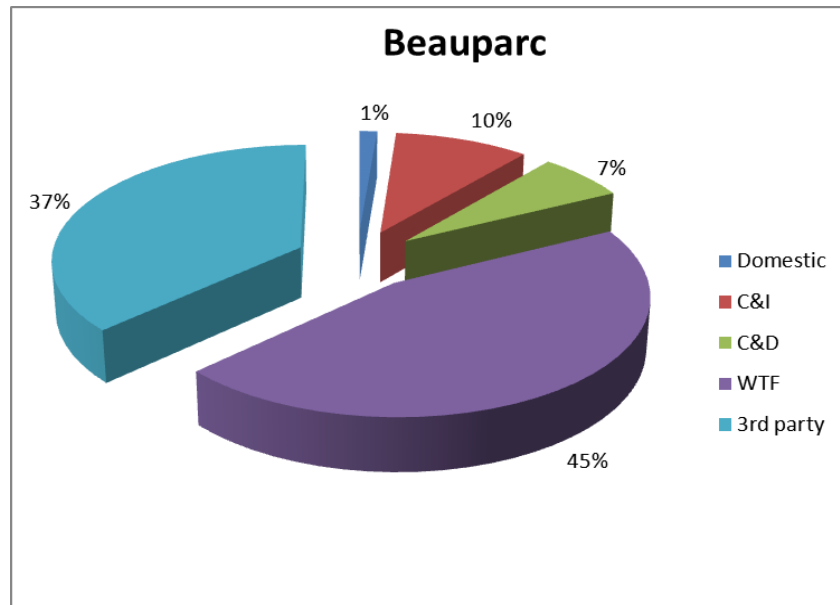
- In-house road sweeper.
- Dust suppression sprayers at doorways into shed one and on the eastern boundary fence between the back-up weighbridge and the retail outlet to the north.
- One atomiser unit (Shed 1).
- Dust suppression sprayers (Shed 2).
- Dust suppression sprayers at C&D fines.
- Hoses on 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 2011 was 154,784.82 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.

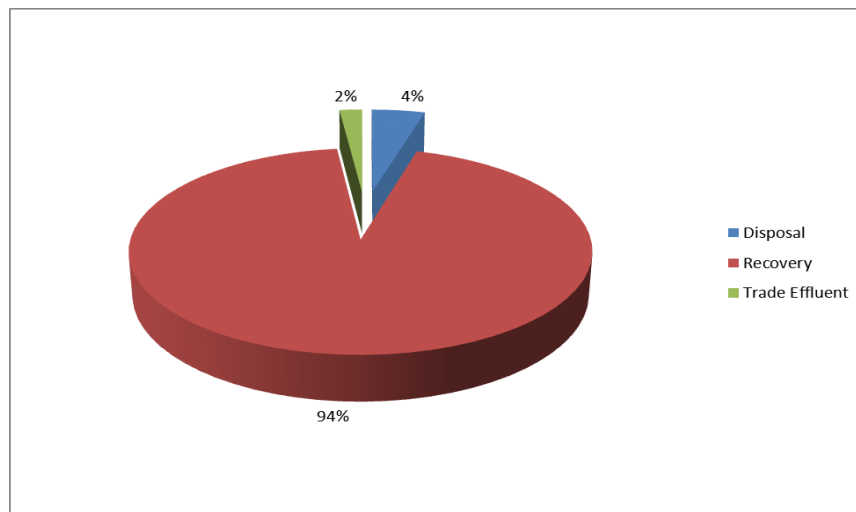
2.3 Waste Recovery Reports

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 invested in a C&D shed 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 in order 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 supply the rubble segregated at the facility as engineering material in haul roads. The timber that is segregated in the shed is then shredded and sent for recycling/recovery.

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 2012 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. A review of our waste licence was submitted to the Agency.

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 2012.

Fig. 3: Dust emission results for DS1

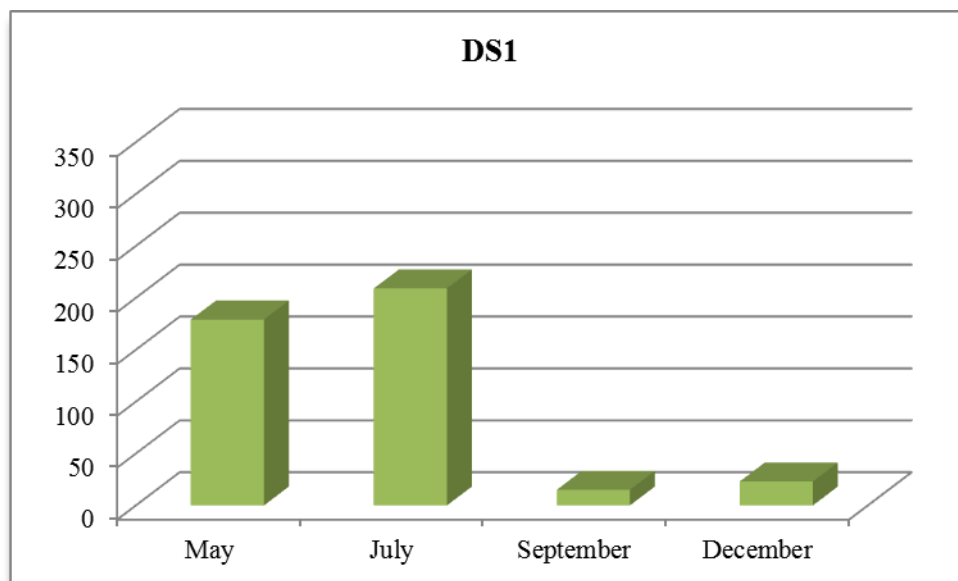


Fig. 4: Dust emission results for DS2

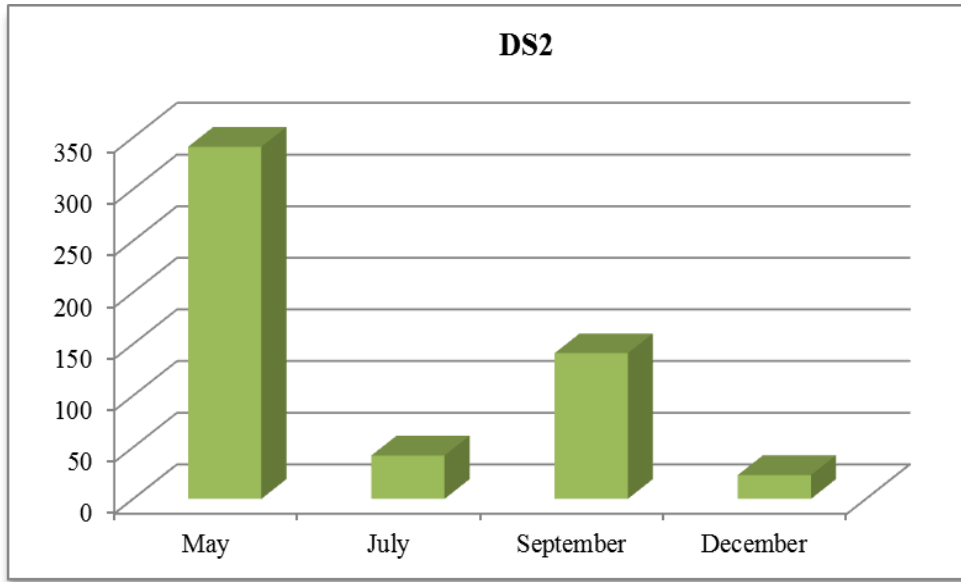


Fig. 5: Dust emission results for DS3

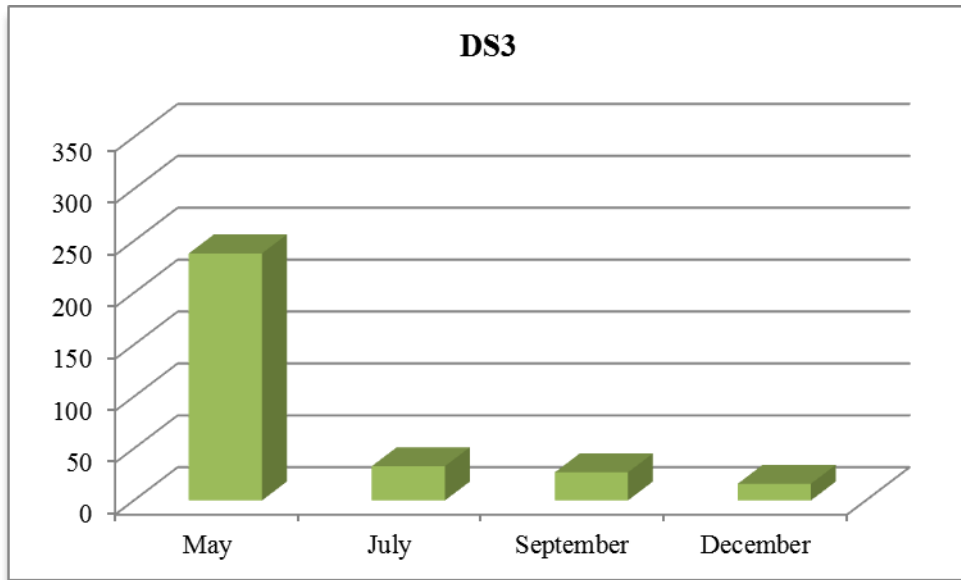


Fig. 6: Dust emission results for DS4

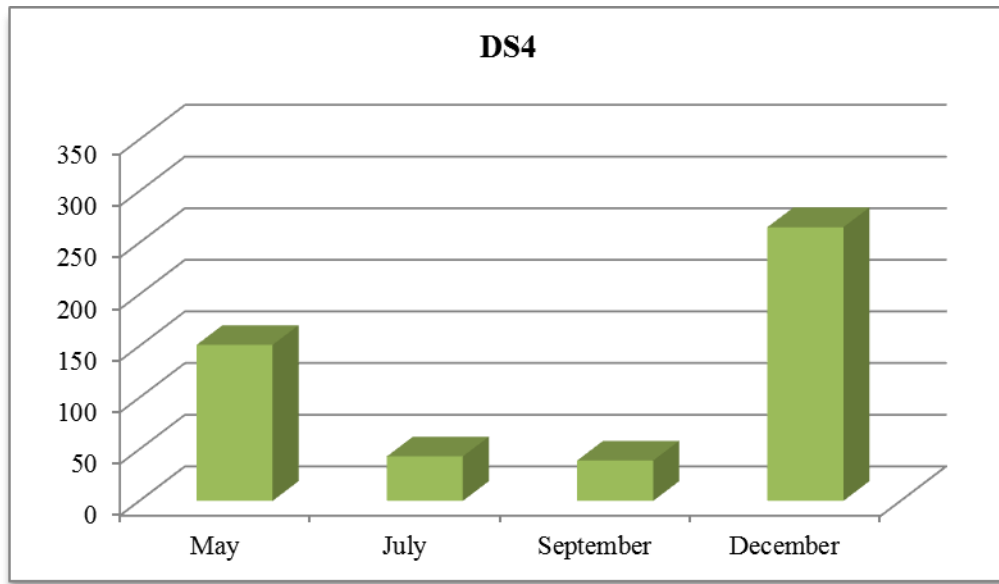
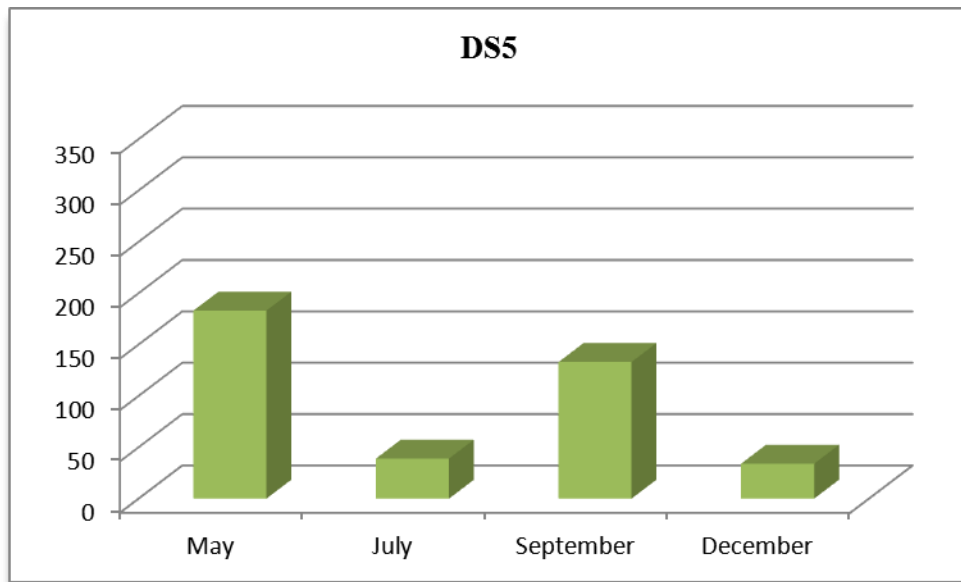


Fig. 7: Dust emission results for DS5



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 2012.

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 12th January 2012– Intervals 30 minutes

Location	Time	Leq	L10	L90	Comments
NSL1	14.40	53.1	53.8	44.3	N2 and slip road traffic. Panda noise source from site less than 45dBA
NSI2	14.45	52.5	53.2	46.1	N2 & slip road traffic. Panda waste site noise less than 46.1 dBA
NSL3	14.50	72.4	75.2	49.1	N2 road traffic with Panda site noise just audible at less than 49.1 dBA
NSL4	15.30	71.7	73.1	48.9	N2 road traffic with Panda site noise inaudible at less than 48.9 dBA

Table 2: Recorded Noise Levels dB(A) on 2nd May 2012– Intervals 30 minutes

Location	Time	Leq	L10	L90	Comments
NSL1	15.20	52.5	53.2	44.1	N2 and slip road traffic. Panda noise source from site less than 44 dBA
NSL2	15.25	51.4	52.8	45.6	N2 & slip road traffic. Panda waste site noise less than 45.6 dBA
NSL3	15.30	73.6	76.3	50.5	N2 road traffic with Panda site noise just audible at less than 50.5 dBA
NSL4	16.10	72.5	74.8	49.2	N2 road traffic with Panda site noise inaudible at less than 49.2 dBA

Table 3: Recorded Noise Levels dB(A) on 9th October 2012– Intervals 30 minutes

Location	Time	Leq	L10	L90	Comments
NSL1	15.40	52.5	55.1	48.0	N2 and slip road traffic. Panda noise source from site less than 48 dBA
NSL2	15.45	50.7	53.5	45.9	N2 & slip road traffic. Panda waste site noise less than 45.9 dBA
NSL3	15.50	76.4	81.0	55.3	N2 road traffic with Panda site noise just audible at less than 47.8 dBA which was L _{min}
NSL4	16.30	76.7	81.9	54.0	N2 road traffic with Panda site noise inaudible at less than 50.7 dBA which was L _{min}

Table 4: Recorded Noise Levels dB(A) on 8th December 2012– Intervals 30 minutes

Location	Time	Leq	L10	L90	Comments
NSL1	10.30	51.9	53.8	46.6	N2 and slip road traffic. Panda noise source from site less than 46.6 dBA
NSL2	10.35	51.2	52.4	46.5	N2 & slip road traffic. Panda waste site noise less than 46.5 dBA
NSL3	10.40	76.8	78.2	55.4	N2 road traffic with Panda site noise just audible at less than 50.8 dBA which was L _{min}
NSL4	11.20	75.9	79.2	53.2	N2 road traffic with Panda site noise inaudible at less than 46.9 dBA which was L _{min}

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 2012. 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 07/06/12	Result 25/11/11
Ammonia	mg/L as N	8.81	10.15
Arsenic	ug/L	6.615	6.856
BOD	mg/L	900	120
Boron	ug/L	334.1	178.5
Cadmium	ug/L	1.098	0.826
Chloride	mg/L	287.55	114.27
Chromium	ug/L	21.26	16.88
COD	mg/L	1245	540
Copper	ug/L	103.3	89.04
Lead	ug/L	231.1	106.9
Mercury	ug/L	0	0.143
Mineral Oil	ug/L	29.7	2745.51
Nickel	ug/L	42.74	32.95
pH	pH units	6.9	7.3
Selenium	ug/L	0	0
Solids (Total Suspended)	mg/L	570	949
Sulphate	mg/L as SO ₄	702.79	258.08
Zinc	ug/L	492	286.4

2.4.5 Compost Analysis

As part of the monitoring programme Panda must test Compost bi-annually. No analysis was carried out in 2012 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 2012 as there were no emissions from the biofilter in 2012.

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 will be conducted in 2013.

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 2012.

Resource	
Gas Oil	5,200 litres per week
Electricity	2175.71 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 nearing completion. Panda have been granted planning permission to construct an anaerobic digestion/composting plant to the East of the facility. Panda have applied to the Agency to review our current Waste Licence W0140-03.

2.5.1 In-place

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

List 1: Site infrastructure

1. Office block
2. Truck wash
3. Two x Weighbridge and associated office.
4. One x Waste processing building (2800 m²)
5. One x Waste processing building (2600 m²)
6. One x Waste processing building (4,248 m²)
7. Two x Dust suppression system
8. Two x In-vessel Composting Tunnels
9. Ancillary ESB building
10. Canteen & toilets and associated waste water treatment system.
11. Water reservoir (164 m³) 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	100 Tonnes per hour
1 x Trommel	100 Tonnes per hour
1 x Magnet	20 Tonnes per hour
1 x Nihot Density Separator	50 tonnes per hour
1 x Ballistic Separator	30 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	50 Tonnes per day

Mobile

3 x Volvo L120	2 x Kobelco Track
1 x Teleporter	2 x Hoists
1 x Volvo L60	1 x Forklift
2 x Fuchs Grab	1 x Shunter
1 x Doppstadt Shredder	30 tonnes per hour
1 x Scarab Roadsweeper	
2 x Ballistic Separator	25 tonnes per hour
6 x Overband Magnets	25 tonnes per hour
2 x Eddy Currents	10 tonnes per hour
1 x Optical Sorter	10 tonnes per hour
1 x Untha shredder	10 tonnes per hour
1 x Nihot Single Drum Separator	40 tonnes per hour
1 x M&J 2000 Shredder	60 tonnes per hour
1 x M&J 6000 Shredder	50 tonnes per hour
1 x trommel	60 tonnes per hour
1 x trommel	30 tonnes per hour
1 x trommel	10 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 approved 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 late 2013, 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 – 2012 and 2013.

No	Objective & Target	Method of Achievement	Responsibility	2012 Programme	Complete in 2012	2013 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	July '13
		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	N/a
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 accidents 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	May '12	Complete in '12	July '13

No	Objective & Target	Method of Achievement	Responsibility	Timescale	Complete in 2012	2013 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 '12	July '13
9	Prepare a Standard Operating Procedures Manual	Prepare a comprehensive SOP manual relevant to site operations	Environmental Dept	Aug '11	Complete in '12	
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 '11	Complete in '12	June '13
11	Reduce dependence on using wastewater treatment plants for surface water	Complete design of constructed wetland and seek Agency approval for its construction	Jim McGovern Project Engineer	Sept '11	Ongoing	July '13
12	Complete shed 3 for RDF	Finalise machine positions in building 3, complete negative air pressure system and all other required engineering works	Jim McGovern Project Engineer	Sept '11	Complete in '12	N/a
		Awaiting Agency waste licence review	Environmental Manager	Expected June 11	Ongoing	Expected in '13
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			September '13

3.1 Completion of Environmental Targets & Objectives 2012

Panda will endeavour to complete the targets not already completed in 2012. The targets not met in 2012, 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

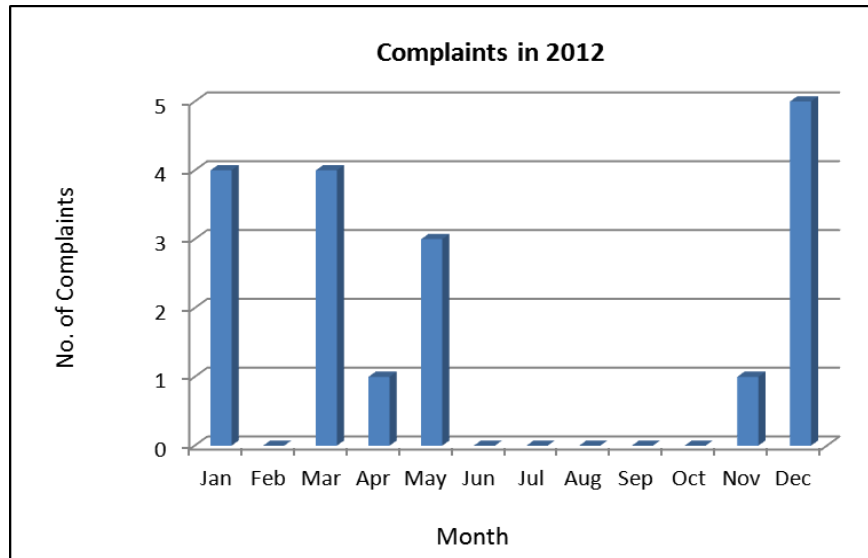
Dated 14th June 2012

There was an incident notified to the Agency on the 14th June 2012 with regards a fire in the SRF facility (Shed 3). The Emergency Services and the Agency were present. Fire Waste water was taken from Navan Waste Water Treatment Facility by a fleet of tankers. The fire was brought under control on day 3, with environmental nuisances limited to smoke emissions from the facility.

3.2.2 Complaints:

Fig. 8 illustrates complaints either made directly to the Agency or to Panda's facility for each month during 2012. There were a total of eighteen 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 rotary atomiser-fogging unit was relocated internally of shed 1 for dust control when processing the lights/dry waste for SRF production. 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 atomiser and sprinkling system are connected to the odour suppression liquid.

The yard foreman is responsible for controlling the odour-suppressing units. This involves controlling the concentration of odour suppressant 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 2012. 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. A fly treatment was carried out in shed 3 when it was operational prior to the fire.

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.

There was a revision of the odour-monitoring sheet to include a map of the facility to make it easier to position possible nuisances on the facility. General weather conditions and wind direction are obtained through weather station located on site, on a daily basis.

A review of site procedures was carried out, and the following procedures were developed;

- SOP 16 Metal Recovery from mattresses
- SOP 17 Use of recycled woodchip or rubble
- SOP 18 3rd Party customer profiling
- SOP 19 Accident prevention procedure
- SOP 20 Production of crushed rubble that meets the end of waste (EOW) criteria

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 W003-03)
- 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 2012 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.

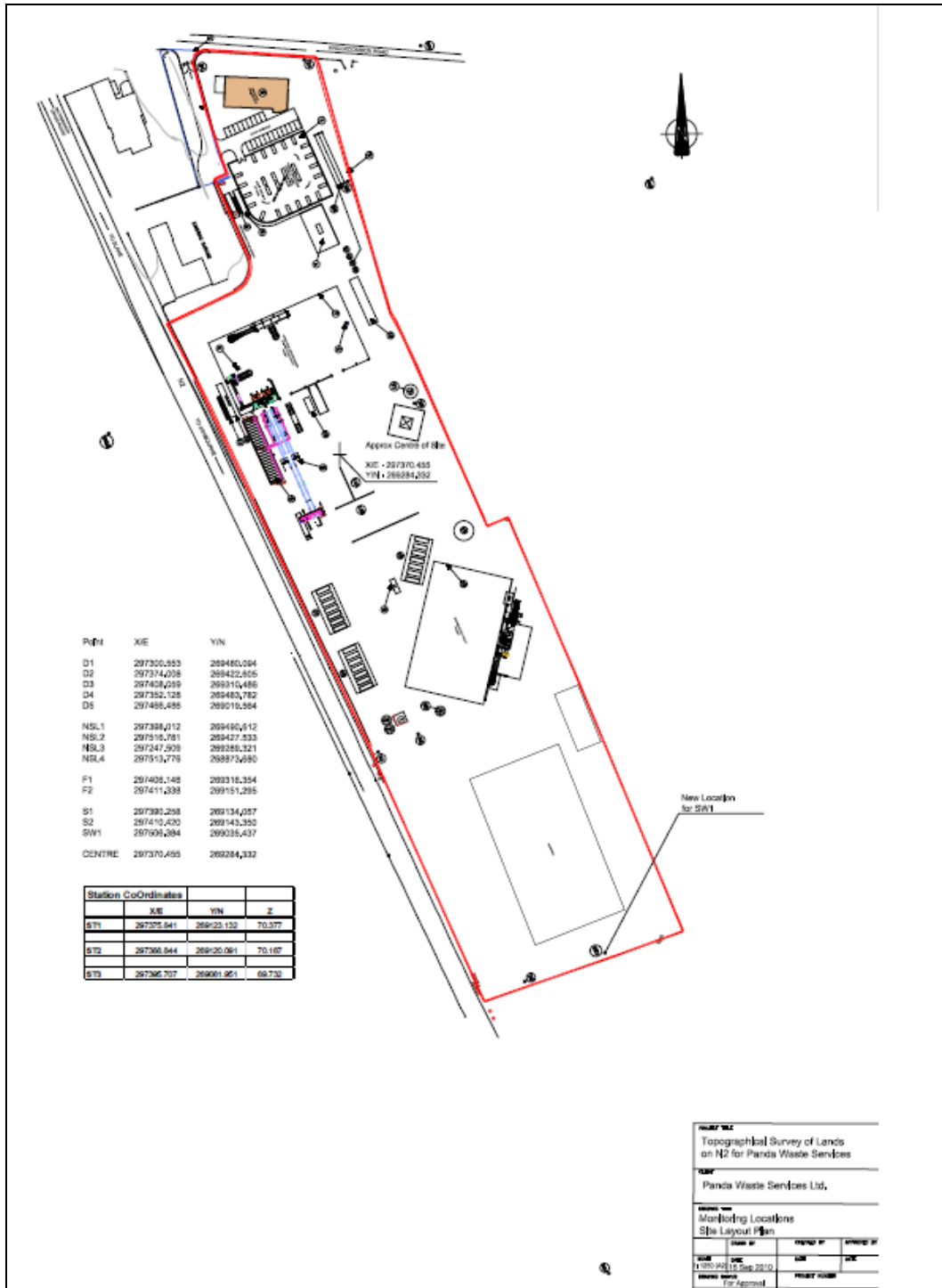
Advertisements are taken out regularly in the local newspapers informing customers of the services that Panda offer. There is also a large advertisement in the golden pages, which is available to the general public. Tours of the facilities are given to schools and to members of the public upon request.

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 2012.

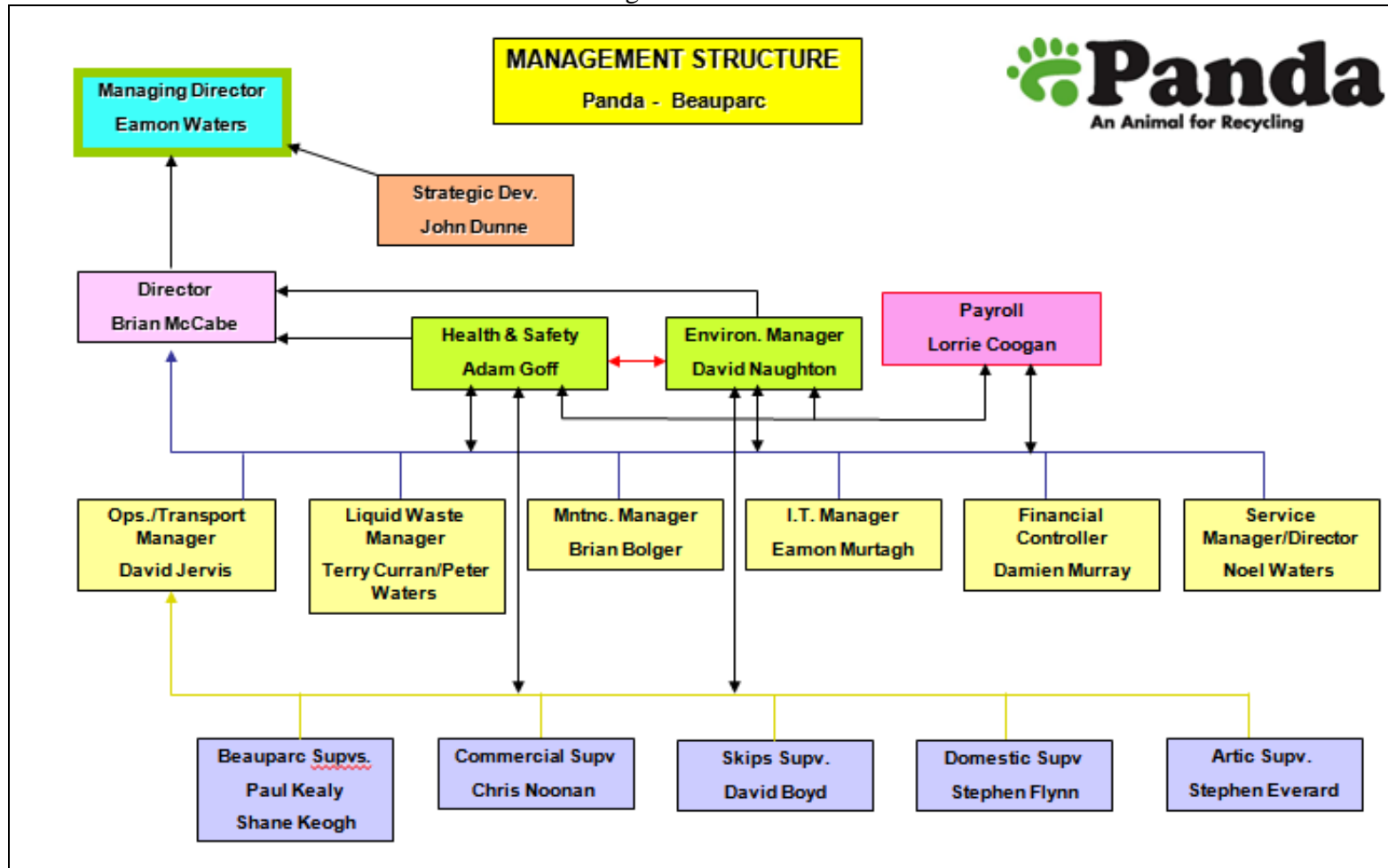
Appendix A

Site Layout



Appendix B

Organisation Chart



Appendix C

Financial Statement



Fagan Lynch Donnellan
Chartered Accountants & Registered Auditors

Our Ref: VL/NMcK

6th March 2013

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

Re: Nurendale Ltd T/A Panda Waste

Dear Sir,

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

We wish to confirm as follows:

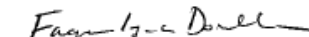
1. Statutory Accounts have been filed for all years up to 31.12.2011 with the Companies Office.

Accounts and Tax Returns have also been filed with Inspector of Taxes for all years to 31st December 2011.

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

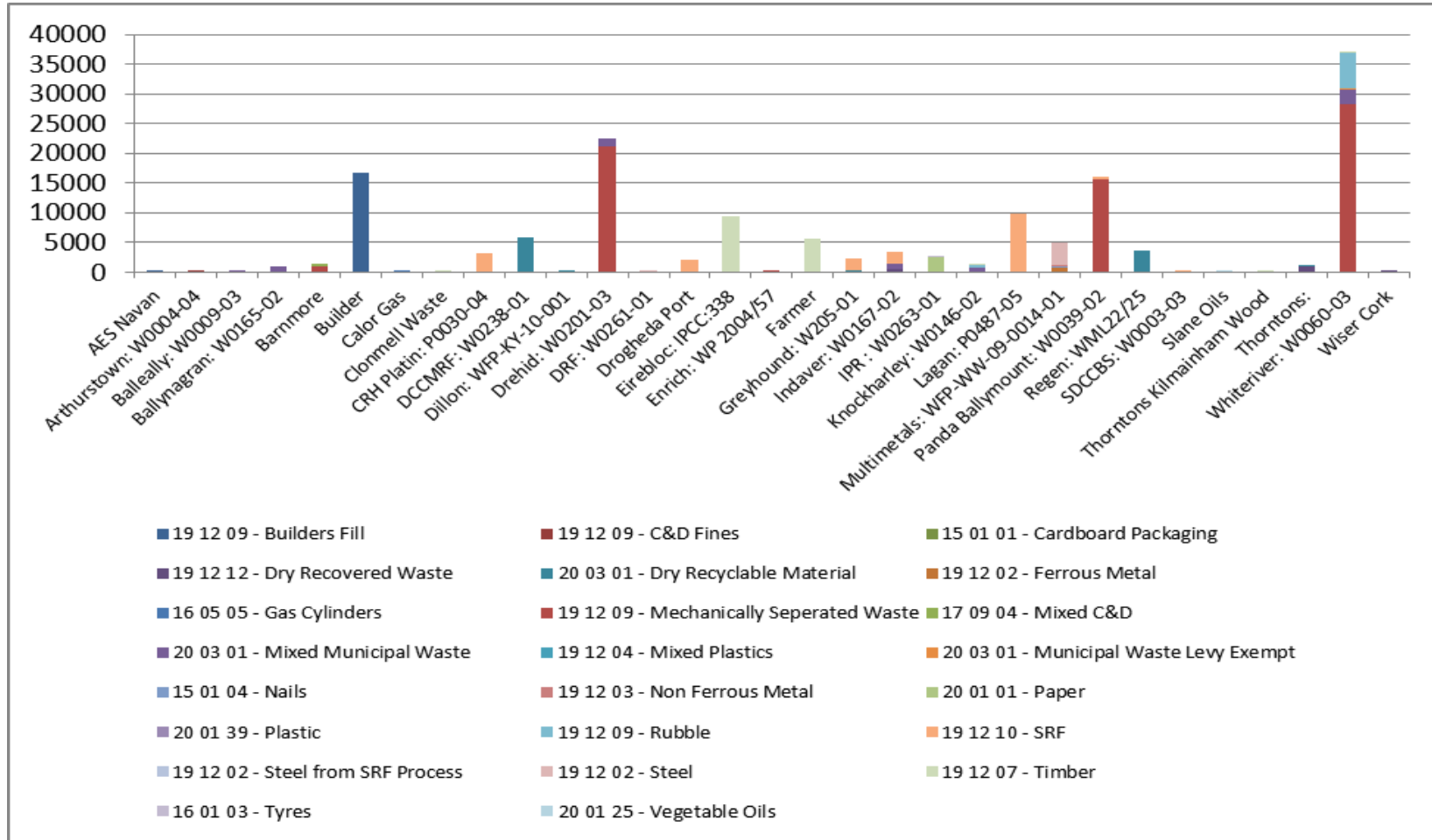
John Fagan FCA Vincent Lynch FCA Mark McCartney FCCA

Registered to carry on audit work and authorised to carry on investment business by the Institute of Chartered Accountants in Ireland (ICAI).
Chartered Accountants Ireland is the operating name of ICAI.




Appendix D

Outgoing by Destination



Appendix E

PRTR Emissions

 Environmental Protection Agency		IPRTR: W0140 Facility Name: Nurendale Limited trading as Panda Waste Services Limited File name: u0140_2012.xls Total Release Year: 2012 Guidance to completing the PRTR workbook AER Returns Workbook Version 1.1.15																		
REFERENCE YEAR	2012																			
1. FACILITY IDENTIFICATION																				
Parent Company Name	Nurendale Limited trading as Panda Waste Services																			
Facility Name	Nurendale Limited trading as Panda Waste Services Limited																			
PRTR Identification Number	W0140																			
License Number	W0140-03																			
Waste or IPPC Class of Activity	<table border="1"> <thead> <tr> <th>Waste or IPPC Class of 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 of 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.
Waste or IPPC Class of Activity	Class Name																			
4.4	Recycling or reclamation of other inorganic materials.																			
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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.																			
Address 1	Rathdrinagh																			
Address 2	Boauparc																			
Address 3	Navan																			
Address 4	County Meath																			
	Meath																			
Country	Ireland																			
Coordinator of Location	-8.1292452,5351																			
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	1850 65 65 65																			
AER Return Contact Mobile Phone Number	086 6045905																			
AER Return Contact Fax Number	046 9024189																			
Production Volume	0.0																			
Production Volume Units																				
Number of Installations	0																			
Number of Operating Hours in Year	0																			
Number of Employees	190																			
User Feedback/Comments	Prepopulating the data especially on the Treatment & Transfer of Waste makes it much easier for inputting errors.																			
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?	No																			
If applicable which activity class applies (as per Schedule 2 of the regulations)?																				
Is the reduction scheme compliance route being used?																				
4. WASTE IMPORTED/ACCEPTED ON SITE																				
Do you import/accept waste onto your site for on-site treatment (either recovery or disposal activities)?	Guidance on waste imported/accepted onto site																			
This question is only applicable if you are an IPPC or Quarry site.																				

4.1 RELEASES TO AIR		PRTR (V0140) Facility Name: Nurondale Limited trading as Panda Waste Services Limited File Name: u0140_2012.xls Total Release Year: 2012 25/03/2015 10:14																																		
SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS																																				
RELEASES TO AIR		METHOD			ADD EMISSION POINT				QUANTITY																											
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental)	F (Fugitive)																												
					0.0	0.0	0.0	0.0																												
<p>SECTION B : REMAINING PRTR POLLUTANTS</p> <p>RELEASES TO AIR</p> <p>Please enter all quantities in this section in KGs</p> <p>POLLUTANT</p> <p>No. Annex II Name M/C/E Method Code Designation or Description Emission Point 1 T (Total) KG/Year A (Accidental) F (Fugitive)</p> <p>0.0 0.0 0.0</p> <p>ADD NEW ROW DELETE ROW * * Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button</p>																																				
<p>SECTION C : REMAINING POLLUTANT EMISSIONS (as required in your Licence)</p> <p>RELEASES TO AIR</p> <p>Please enter all quantities in this section in KGs</p> <p>POLLUTANT</p> <p>Pollutant No. Name M/C/E Method Code Designation or Description DS1 DS2 DS3 DS4 DS5 T (Total) KG/Year A (Accidental) KG/Year F (Fugitive) KG/Year</p> <p>210 M ALT Gravimetry 0.04 0.05 0.02 0.05 0.04 0.21 0.0 0.0</p> <p>ADD NEW ROW DELETE ROW * * Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button</p>																																				
<p>Additional Data Requested from Landfill operators</p> <p>For the purposes of the National Inventory on Greenhouse Gases, landfill operators are requested to provide summary data on landfill gas (LFG) flared or utilized at their facilities in accompanying the figures for total methane generated. Operators should only report their Net methane (CRM) emissions in the environment under 'Total' KG/yr for Section B: Sector specific PRTR pollutants above. Please complete the table below:</p> <p>Landfill: Nurondale Limited trading as Panda Waste Services Limited</p> <p>Please enter summary data on the quantity of methane flared and / or utilized</p> <table border="1"> <thead> <tr> <th>T (Total) kg/Year</th> <th>M/C/E</th> <th>Method Code</th> <th>Designation or Description</th> <th>Facility Total Capacity m3 per</th> </tr> </thead> <tbody> <tr> <td>Total estimated methane generation (or per site model)</td> <td>0.0</td> <td></td> <td></td> <td>N/A</td> </tr> <tr> <td>Methane flared</td> <td>0.0</td> <td></td> <td></td> <td>0.0 (Total Flaring Capacity)</td> </tr> <tr> <td>Methane utilized in engines</td> <td>0.0</td> <td></td> <td></td> <td>0.0 (Total Utilising Capacity)</td> </tr> <tr> <td>Net methane emission (as reported in Section A above)</td> <td>0.0</td> <td></td> <td></td> <td>N/A</td> </tr> </tbody> </table>												T (Total) kg/Year	M/C/E	Method Code	Designation or Description	Facility Total Capacity m3 per	Total estimated methane generation (or per site model)	0.0			N/A	Methane flared	0.0			0.0 (Total Flaring Capacity)	Methane utilized in engines	0.0			0.0 (Total Utilising Capacity)	Net methane emission (as reported in Section A above)	0.0			N/A
T (Total) kg/Year	M/C/E	Method Code	Designation or Description	Facility Total Capacity m3 per																																
Total estimated methane generation (or per site model)	0.0			N/A																																
Methane flared	0.0			0.0 (Total Flaring Capacity)																																
Methane utilized in engines	0.0			0.0 (Total Utilising Capacity)																																
Net methane emission (as reported in Section A above)	0.0			N/A																																

4.2 RELEASES TO WATERS		PRTR (V0140) Facility Name: Nurondale Limited trading as Panda Waste Services Limited File Name: u0140_2012.xls Total Release Year: 2012 25/03/2015 10:14									
SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS											
RELEASES TO WATERS		METHOD			ADD EMISSION POINT				QUANTITY		
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental)	F (Fugitive)			
					0.0	0.0	0.0	0.0			
<p>SECTION B : REMAINING PRTR POLLUTANTS</p> <p>RELEASES TO WATERS</p> <p>Please enter all quantities in this section in KGs</p> <p>POLLUTANT</p> <p>No. Annex II Name M/C/E Method Code Designation or Description Emission Point 1 T (Total) KG/Year A (Accidental) F (Fugitive)</p> <p>0.0 0.0 0.0</p> <p>ADD NEW ROW DELETE ROW * * Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button</p>											
<p>SECTION C : REMAINING POLLUTANT EMISSIONS (as required in your Licence)</p> <p>RELEASES TO WATERS</p> <p>Please enter all quantities in this section in KGs</p> <p>POLLUTANT</p> <p>Pollutant No. Name M/C/E Method Code Designation or Description Emission Point 1 T (Total) KG/Year A (Accidental) F (Fugitive)</p> <p>0.0 0.0 0.0</p>											

4.3 RELEASES TO WASTEWATER OR SEWER		Data						
SECTION A : PRTR POLLUTANTS		IPRTR#: W0140 Facility Name: Nurendale Limited trading as Panda Waste Services Limited Filename: 25/03/2013 11:14						
OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT		Please enter all quantities in this section in KGs						
No. Annex II	Name	ID	ADD EMISSION POINT		QUANTITY			
			Method Used	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
06	Ammonia (NH3)		Colorimetry		27.01	27.01	0.0	0.0
17	Arsenic and compounds (as As)		ICPMS		0.02	0.02	0.0	0.0
18	Cadmium and compounds (as Cd)		ICPMS		0.0	0.0	0.0	0.0
79	Chlorides (as Cl)		Colorimetry		572.53	572.53	0.0	0.0
19	Chromium and compounds (as Cr)		ICPMS		0.05	0.05	0.0	0.0
20	Copper and compounds (as Cu)		ICPMS		0.27	0.27	0.0	0.0
23	Lead and compounds (as Pb)		ICPMS		0.48	0.48	0.0	0.0
21	Mercury and compounds (as Hg)		ICPMS		0.0	0.0	0.0	0.0
22	Nickel and compounds (as Ni)		ICPMS		0.11	0.11	0.0	0.0
24	Zinc and compounds (as Zn)		ICPMS		1.11	1.11	0.0	0.0
ADD NEW ROW		DELETE ROW *		* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button.				
SECTION B : REMAINING POLLUTANT EMISSIONS (as required in your Licence)		OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT						
OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT		Please enter all quantities in this section in KGs						
Pollutant No.	Name	ID	ADD EMISSION POINT		QUANTITY			
			Method Used	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
303	BOD		Electrometry		1453.34	1453.34	0.0	0.0
374	Boron		ICPMS		0.73	0.73	0.0	0.0
306	COD		Colorimetry		2543.34	2543.34	0.0	0.0
324	Mineral oils		GC-FID		3.95	3.95	0.0	0.0
370	Selenium		ICPMS		0.0	0.0	0.0	0.0
240	Suspended Solids		Filtration/Drying @104C		2164.33	2164.33	0.0	0.0
343	Sulphate		Colorimetry		1369.09	1369.09	0.0	0.0
ADD NEW ROW		DELETE ROW *		* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button.				

4.4 RELEASES TO LAND		Link to previous years emissions data						
SECTION A : PRTR POLLUTANTS		IPRTR#: W0140 Facility Name: Nurendale Limited trading as Panda Waste Services Limited Filename: w0140_2012 ver 3.xls Retn. 25/03/2013 11:14						
RELEASES TO LAND		Please enter all quantities in this section in KGs						
No. Annex II	Name	M/C/E	METHOD		ADD EMISSION POINT		QUANTITY	
			Method Code	Method Used	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental)
						0.0	0.0	0.0
ADD NEW ROW		DELETE ROW *		* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button.				
SECTION B : REMAINING POLLUTANT EMISSIONS (as required in your Licence)		RELEASES TO LAND						
RELEASES TO LAND		Please enter all quantities in this section in KGs						
Pollutant No.	Name	M/C/E	METHOD		ADD EMISSION POINT		QUANTITY	
			Method Code	Method Used	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental)
						0.0	0.0	0.0
ADD NEW ROW		DELETE ROW *		* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button.				

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE										
Please enter all quantities on this sheet in Tonnes										
Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	M/C/E	Method Used		Location of Treatment	Receptor/Disposer Name and Licence/Permit No of Receptor/Disposer Address of Receptor/Disposer
							Method Used	Method Used		
Within the Country	15 01 01	No	16.36	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	111.04	metallic packaging	R12	M	weighed		Offsite in Ireland	Multimetals, WFP-W/W-03-0014-01 Conway Port Industrial Estate, Bollarney, Murrrough Co. Wicklow, Ireland
Within the Country	16 01 03	No	43.18	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	4.84	gases in pressure containers other than those mentioned in 16 05 04	R13	M	weighed		Offsite in Ireland	Calor Gas,, Ireland Conway Port Industrial Estate, Bollarney, Murrrough Co. Wicklow, Ireland
Within the Country	19 12 02	No	4540.9	ferrous metal	R12	M	weighed		Offsite in Ireland	Multimetals, WFP-W/W-03-0014-01 Conway Port Industrial Estate, Bollarney, Murrrough Co. Wicklow, Ireland
Within the Country	19 12 03	No	221.4	non-ferrous metal	R12	M	weighed		Offsite in Ireland	Multimetals, WFP-W/W-03-0014-01 Conway Port Industrial Estate, Bollarney, Murrrough Co. Wicklow, Ireland
Within the Country	19 12 04	No	44.34	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	9467.2	wood other than that mentioned in 19 12 06	R12	M	weighed		Offsite in Ireland	Eirebloc, Ck(S) 503/07 Lissards, Co. Cork, Ireland
Within the Country	19 12 07	No	5736.06	wood other than that mentioned in 19 12 06	R13	M	weighed		Offsite in Ireland	Farmers, N/a Knockharley, Navan, Co. Meath, Ireland
Within the Country	19 12 07	No	304.08	wood other than that mentioned in 19 12 06	R10	M	weighed		Offsite in Ireland	Landfill, W0146-02 Meath, Ireland
Within the Country	19 12 07	No	22.44	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	198.72	wood other than that mentioned in 19 12 06	R13	M	weighed		Offsite in Ireland	Whiteriver Landfill, W0060-02 Dunleer, Co. Louth, Ireland
Within the Country	19 12 09	No	261.44	minerals (for example sand, stones)	R10	M	weighed		Offsite in Ireland	Knockharley Landfill, W0146-02 Meath, Ireland
Within the Country	19 12 09	No	5923.69	Rubble	R10	M	weighed		Offsite in Ireland	Whiteriver Landfill, W0060-02 Dunleer, Co. Louth, Ireland
Within the Country	19 12 10	No	1986.38	combustible waste (refuse derived fuel)	R12	M	weighed		Offsite in Ireland	Greyhound, W0205-01 Craig Avenue, Clonsalkin Industrial Estate, Condalkin Co Dublin, Ireland
Within the Country	19 12 10	No	3863.36	combustible waste (refuse derived fuel)	R1	M	weighed		Offsite in Ireland	Killaskillen, Kinnefad, Co. Meath, Ireland
Within the Country	19 12 09	No	227.38	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	21268.16	minerals (for example sand, stones) 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	Bord na Mona Dreckid Landfill, W0201-03 Killinagh Upper, Carbury, Co. Upper, Carbury, Co. Wicklow, Ireland
Within the Country	19 12 12	No	179.08	12 11	R12	M	weighed		Offsite in Ireland	Greyhound, W0205-01 Craig Avenue, Clonsalkin Industrial Estate, Condalkin Co Dublin, Ireland
Within the Country	20 01 01	No	2385.28	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 03 01	No	10.28	mixed municipal waste	D1	M	Weighted	Offsite in Ireland	Ballycally Landfill, W0003-03	Ballycally Landfill, Lusk, Co. Dublin, Ireland Merrywell Industrial Estate, Ballymount Road Lower, Ballymount Dublin 12, Ireland
Within the Country	20 03 01	No	5898.24	Dry Recyclables	R12	M	Weighted	Offsite in Ireland	Dublin Regional Recovery Facility, W0238-01 Dillon waste and recycling, WFP-KY-10-001	
Within the Country	20 03 01	No	161.12	Dry Recyclables	R12	M	Weighted	Offsite in Ireland	01 Bord na Mona Drechtid Landfill, W0201-03	The Kerries, Tralee, Co. Kerry, Ireland Killinagh Upper, Carbury, Co. Crag Avenue, Clondalkin Industrial Estate, Condalkin Co Dublin, Ireland
Within the Country	20 03 01	No	63.72	Dry Recyclables	R12	M	Weighted	Offsite in Ireland	Greyhound, W0205-01	Carranstown, Duleek, Co. Meath, Ireland
Within the Country	20 03 01	No	396.18	mixed municipal waste	R1	M	Weighted	Offsite in Ireland	Indaver, W0167-02 Knockharley	Knockharley, Navan, Co. Meath, Ireland Industrial Estate, Newry Co. Down, BT35 6JG, Ireland
Within the Country	20 03 01	No	838.36	mixed municipal waste	R13	M	Weighted	Offsite in Ireland	Landfill, W0146-02	Ballymount
Within the Country	20 03 01	No	3616.42	Dry Recyclables	R12	M	Weighted	Offsite in Ireland	Regen, 44110	Cross, Tallaght, Dublin 24, Ireland Dunleer, Co. Louth, Ireland
Within the Country	20 03 01	No	28.34	mixed municipal waste	R13	M	Weighted	Offsite in Ireland	Panda Ballymount, W0033-02 Whiteriver Landfill, W0060-02	
Within the Country	20 03 01	No	2446.78	mixed municipal waste	D1	M	Weighted	Offsite in Ireland	02	
Within the Country	20 03 01	No	383.12	mixed municipal waste	D1	M	Weighted	Offsite in Ireland	Ballynaqrán Landfill, W0165	Co. Wicklow, Ireland 21A Baldoyle Industrial Estate, Baldoyle, Dublin 13, Ireland
Within the Country	17 03 04	No	340.3	mixed construction and demolition wastes other than those mentioned in 17 03 01, 17 03 02 and 17 03 03	R12	M	Weighted	Offsite in Ireland	Barnmore Demolition, WPT 123	
Within the Country	13 12 10	No	2015.78	combustible waste (refuse derived fuel) other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 13 12 11	R13	M	Weighted	Offsite in Ireland	Drogheda Port Co., WFP-LH-11-0006-01	Tom Roes Point Facility, Baltray Road, Drogheda, Co. Louth, Ireland
Within the Country	13 12 12	No	417.34	12 11	R1	M	Weighted	Offsite in Ireland	Indaver, W0167-02	Carranstown, Duleek, Co. Meath, Ireland
Within the Country	13 12 10	No	2005.56	combustible waste (refuse derived fuel)	R1	M	Weighted	Offsite in Ireland	Indaver, W0167-02	Carranstown, Duleek, Co. Meath, Ireland
Within the Country	20 01 33	No	47.82	plastics	R12	M	Weighted	Offsite in Ireland	Irish Packaging Recycling Ltd, W0263-01	Road, Walkinstown, Dublin 12, Ireland Ballymount
Within the Country	20 03 01	No	25.5	Dry Recyclables	R12	M	Weighted	Offsite in Ireland	Irish Packaging Recycling Ltd, W0263-01	Road, Walkinstown, Dublin 12, Ireland
Within the Country	13 12 03	No	61.42	minerals (for example sand, stones) other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 13 12 11	R13	M	Weighted	Offsite in Ireland	AES Navan, W0131	Navan, Co. Meath, Ireland
Within the Country	13 12 12	No	320.96	12 11	R12	M	Weighted	Offsite in Ireland	Padraig Thornton Waste Disposal Ltd, W0044	Killeen Road, Ballyfermot, Dublin 10, Ireland Killeen Road, Ballyfermot, Dublin 10, Ireland
Within the Country	20 03 01	No	68.74	Dry Recyclables other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 13 12 11	R12	M	Weighted	Offsite in Ireland	Padraig Thornton Waste Disposal Ltd, W0044	
Within the Country	13 12 12	No	10.06	12 11	R13	M	Weighted	Offsite in Ireland	Panda Ballymount, W0033-02	Ballymount Cross, Tallaght, Dublin 24, Ireland
Within the Country	20 03 01	No	138.26	mixed municipal waste - levy exempt	D1	M	Weighted	Offsite in Ireland	Whiteriver Landfill, W0060-02	Dunleer, Co. Louth, Ireland

Within the Country	13 12 10	No	3147.88	combustible waste (refuse derived fuel)	R1	M	Weighted	Offsite in Ireland	Irish Cement,P0030 Slane Farm Oils,WFP-MH-10-0005-01	Platin,Drogheda,Co. Meath,,Ireland	
Within the Country	20 01 25	No	0.28	edible oil and fat other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 13 12 11	R3	M	Weighted	Offsite in Ireland		Slane,Co. Meath,,Ireland	
Within the Country	13 12 12	No	16.62	12 11	R12	M	Weighted	Offsite in Ireland	Wizer,, Barnmore Demolition,WPT 123 Clonmel Waste Disposal,WFP-TS-11-0001-	Middleton,Co. Cork,,Ireland 21A Baldoyle Industrial Estate,Baldoyle,Dublin 13,,Ireland	
Within the Country	13 12 03	No	370.54	minerals (for example sand, stones)	R12	M	Weighted	Offsite in Ireland			
Within the Country	13 12 07	No	13.02	wood other than that mentioned in 13 12 06	R12	M	Weighted	Offsite in Ireland	01	Lawlesstown,Clonmel,Co. Tipperary,,Ireland	
Within the Country	13 12 10	No	12.38	combustible waste (refuse derived fuel)	R12	M	Weighted	Offsite in Ireland	South Dublin Baling Station,W0003	Ballymount Baling Station,Ballymount Road,Walkinstown,Dublin 12,Ireland	
Within the Country	13 12 10	No	587.08	combustible waste (refuse derived fuel)	R13	M	Weighted	Offsite in Ireland	Panda Ballymount,W0033-02	Ballymount Cross,Tallaght,Dublin 24,,Ireland	
Within the Country	20 03 01	No	14.66	Dry Recyclables	R13	M	Weighted	Offsite in Ireland	Panda Ballymount,W0033-02	Ballymount Cross,Tallaght,Dublin 24,,Ireland	
Within the Country	13 12 03	No	15485.17	minerals (for example sand, stones)	R13	M	Weighted	Offsite in Ireland	Panda Ballymount,W0033-02	Ballymount Cross,Tallaght,Dublin 24,,Ireland	
Within the Country	13 12 03	No	28368.66	minerals (for example sand, stones)	R13	M	Weighted	Offsite in Ireland	Whiteriver Landfill,W0060-02	Dunleer,Co. Louth,,Ireland	
Within the Country	13 12 02	No	11.28	ferrous metal	R13	M	Weighted	Offsite in Ireland	Panda Cappagh,W0261-01 Enrich ,WFP-MH-08-0004-	Cappagh Road,Finglas,Dublin 11,,Ireland Newtownrathganley,Kilcock,Co. Meath,,Ireland	
Within the Country	13 12 03	No	4.28	minerals (for example sand, stones)	R12	M	Weighted	Offsite in Ireland	02		
Within the Country	13 12 03	No	16713.32	minerals (for example sand, stones)	R13	M	Weighted	Offsite in Ireland	Farmers,N/a	,,Ireland	
ADD NEW ROW		DELETE ROW		* Select a row by double-clicking the Description of Waste then click the delete button							