



ANNUAL ENVIRONMENTAL REPORT 2011

Regional Materials Recovery Facility

Merrywell Industrial Estate,
Ballymount Road Lower,
Ballymount,
Dublin 22

EPA Licence W0238-01



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1. INTRODUCTION

Greyhound Recycling and Recovery Ltd. operated Waste Licence W0238-01 on behalf of Dublin City Council from January 2009 to January 2012.

The following Annual Environmental Report was prepared in accordance with Condition 11.11 and Schedule E of Waste Licence W0238-01, and with reference to Environmental Protection Agency guidance on Annual Environmental Reporting. This AER relates to the calendar year 2011. The report provides details of the activities carried out at the facility from the 1st of January 2011 to the 31st December 2011.

2. DESCRIPTION OF THE SITE AND LICENSED ACTIVITIES

The Regional Materials Recovery Facility (MRF) is a specific objective of the Dublin Waste Management Plan 2005-2010. The MRF Ballymount Road Lower, Ballymount, Dublin 22 (53°18'52"N, 6°21'22"W) is located in the Merrywell Industrial Estate.

The facility is surrounded by various warehouses and industrial buildings including waste facilities. The Merrywell Industrial Estate is bordered by Ballymount Road Lower to the South, Turnpike Road to the West and Robinhood Road to the North.

Greyhound Recycling and Recovery Ltd commenced operation of the Regional Materials Recovery Facility on behalf of the four Dublin Local Authorities under Waste Licence W0238-01 in January 2009. This licence allowed Greyhound Recycling and Recovery Ltd. to carry out the following waste handling activities as permitted under the Third and Fourth Schedules of the Waste Management Act 1996 to 2003:

- Class 12 and 13 Waste Disposal Activities, in accordance with the Third Schedule of the Waste Management Act, 1996.

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

Third Schedule, Class 13: Storage prior to submission referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.

- Class 2, 3, 4 and 13 Waste Recovery Activities, in accordance with the Fourth Schedule of the Waste Management Act, 1996.

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

Forth Schedule, Class 3: Recycling or reclamation of metal and metal compounds.

Forth Schedule, Class 4: Recycling or reclamation of other inorganic materials

Forth 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 the waste concerned is produced.

Greyhound Recycling & Recovery Ltd accepted household dry recyclable materials that had been collected in a single commingled waste stream from kerbside collections to the Regional Materials Recovery Facility. The materials accepted include paper, newspapers, magazines, cardboard, aluminium cans, steel cans, tetrapak beverage cartons, plastic bottles including PET, HDPE, PVC containers and plastic film. All materials collected and processed at the Regional MRF came from the Dublin Region.

Greyhound Recycling & Recovery Ltd also accepted small quantities of commercial dry recyclable materials to the Regional Materials Recovery Facility. The materials accepted included paper, cardboard, aluminium and steel cans, and mixed plastics.

3. WASTE MANAGEMENT RECORD

Materials entering the Regional MRF were weighed and documented at the weighbridge in accordance with the facility waste licence W0238-01. Once weighed the mixed recyclable material was tipped into the processing building where it was inspected and segregated both manually and mechanically. The segregated materials were baled and stored in designated bays where they were bulked up before being loaded into 40 foot containers for transport to approved recycling or recovery facilities for further processing.

All non-conforming material that came on site was segregated from the main material stream and placed in the designated quarantine area for appropriate recovery/reprocessing offsite.

Waste Accepted 2011

Greyhound Recycling and Recovery Ltd accepted the following waste streams during the reporting period:

- Mixed municipal waste comprising of paper, newspaper, magazines, cardboard, metals and plastics.
- Mixed packaging waste comprising of cardboard, metals and plastics.

4. WASTE QUANTITIES 2011

The Regional Materials Recovery Facility is licensed to handle a maximum of 100,000 tonnes of mixed recyclable waste per annum comprising of 90,000 tonnes of household dry recyclable and 10,000 tonnes of commercial dry recyclables.

Material entered the Regional MRF from Dublin City Council Bring Centres (Mixed Packaging), from green bin household collections in the Dublin Region and from third party waste contractors (Mixed Municipal Waste).

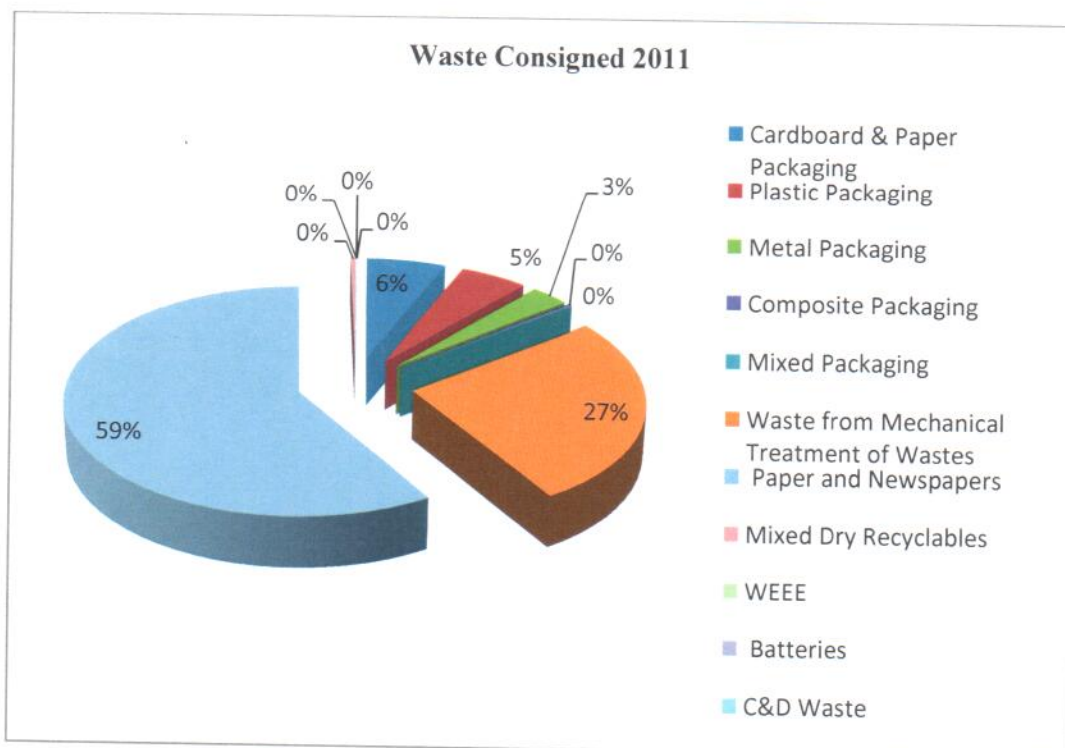
The total quantity of material accepted and processed at the licensed facility during the reporting period was 72,920.35 tonnes. The percentage recovery/recycled achieved on wastes handled at the facility during the reporting period was 74% recycled, 26% recovered. A tabulated breakdown of the quantity and composition of wastes received, recovered, and recycled, during the reporting period is shown in table 1.

Figure 1 shows the breakdown in percentage of material consigned from the MRF.

Description of Waste	Waste In (tonnes)	Waste Out Recycled (Tonnes)	Waste Out Recovered (Tonnes)	Total Out	%
Cardboard & Paper Packaging		4,347.41			6.07%
Plastic Packaging	103.00	3,719.92			5.10%
Metal Packaging		2,124.32			2.90%
Composite Packaging		206.3			0.20%
Mixed Packaging	1472.92	24.8			0.03%
Waste from Mechanical Treatment of Wastes			18,967.88		26.50%
Paper and Newspapers		41,894.75			58.50%
Mixed Dry Recyclables	71344.43	295.36			0.50%
WEEE		3.64			0.00%
Batteries		0.4			0.00%
C&D Waste		16.04			0.20%
Total	72,920.35	52,632.94	18,967.88	71,600.82	100%

Table 4.1: Waste Acceptance and Dispatch

Figure 4.1: Breakdown of Waste Consigned



The recycling target for household waste as set in the Waste Management Plan 2005-2010 for the Dublin Region is 60% recycling, 39% waste to energy and 1% to landfill to be achieved by 2013. The Regional MRF is well on the way to achieving these targets. The recycling and recovery rate for the facility for 2011 is 100% of all waste leaving the site (Table 2). No material leaving the facility went to landfill in 2011. The waste recovered consisted mainly of fines, contaminated dry recyclable material and non-conforming mixed municipal waste which was used in Solid Recovered Fuel (SRF) production. The recycled materials consist of paper, cardboard, Tetrapak, all plastics, steel cans and aluminium cans.

Table 4.2: Recycling and Recovery Rates 2011

Waste Statistics 2011	Tonnes	%
Total Waste Out	71,600.82	100%
Total Waste Recycled	52,632.94	74%
Total Waste Recovered	18,967.88	26%
Total Recycled and Recovered	71,600.82	100%

5. ENVIRONMENTAL MONITORING AND EMISSIONS DATA

Monitoring of emissions from the facility during the reporting period was carried out in accordance with Condition 6 and Schedule C of the facility waste licence W0238-01.

Table 5.1: Storm Water Emissions Monitoring

Parameters	COD	Suspended Solids	pH	Visual Inspection
ELV Grab (mg/l)	3000	1000	6-10	Scale of 1-10
6/1/2011			7.0	9
13/1/2011			6.9	9
21/1/2011			7.0	8
7/2/2011			7.0	8
11/2/2011			7.0	9
18/2/2011			7.6	9
25/2/2011			7.2	10
7/3/2011			7.2	9
10/3/2011			7.0	9
17/3/2011			7.6	9
21/3/2011	<5mg/l	12mg/l		
24/3/2011			7.2	9
31/3/2011			7.1	8
5/4/2011			7.2	9
14/4/2011			7.1	9
22/4/2011			6.9	9
28/4/2011			7.3	9

12/5/2011			7.0	9
20/5/2011			7.8	9
27/5/2011			6.9	8
3/6/2011			7.6	9
9/6/2011			7.0	9
15/6/2011	8mg/l	<2mg/l	6.9	9
23/6/2011			7.0	9
29/6/2011			7.0	8
7/7/2011			8	9
14/7/2011			7.1	9
21/7/2011			6.8	8
28/7/2011			7.4	9
4/8/2011			7.7	9
10/8/2011			7.1	9
18/8/2011			7.7	9
25/8/2011			7.8	10
31/8/2011			6.9	10
2/9/2011			7.0	10
9/9/2011			7.4	9
15/9/2011			7.1	9
22/9/2011	5mg/l	8mg/l	7.2	9
29/9/2011			6.9	9
6/10/2011			7.0	9
14/10/2011			7.9	9
21/10/2011			7.1	9
28/10/2011			7.7	8
1/11/2011			7.0	9
9/11/2011			7.1	10
18/11/2011			7.2	9
25/11/2011			7.1	9
1/12/2011			7.2	9
9/12/2011			7.7	10
22/12/2011			7.1	10
25/1/2012	5mg/l	13mg/l	7.6	9

Table 5.2: Noise Monitoring

Monitoring location	Day /Night period	L _{Aeq} dB(A)	L _{A90} dB(A)	L _{A10} dB(A)
N1	Day	53.7	49.2	43.4
	Night	47.9	42.2	39.0
N2	Day	55.4	58.7	50.4
	Night	39.6	47.2	44.9
N3	Day	63.3	54.7	47.1
	Night	49.8	45.1	38.8

Date of Survey: 22nd September 2011

6. RESOURCE AND ENERGY CONSUMPTION

Data on resource, energy and primary raw material consumption for the reporting period is presented in Table 6.1 below:

Table 6.1: Resource and Energy Usage in 2011.

Raw Material/Resource	Application	Consumption
Electricity	Office and plant use	2,512,047 kWh
Hydraulic Oil	Process plant and fleet vehicles	3,752 Litres
Marked Diesel	Mobile plant machinery	91,372 Litres
Derv Diesel	Collection Vehicles	507,361 Litres

7. ENERGY EFFICIENCY AUDIT

There are no changes to the energy audit and outcomes which was submitted to the Agency in March 2010.

8. ENVIRONMENTAL SYSTEMS & PROCEDURES

Greyhound Recycling and Recovery Ltd. hold ISO9001 and ISO14001 management system accreditations for the facility. All reviews, amendments, and implementations of quality and environmental procedures were undertaken within the framework of the ISO9001 and ISO14001 management systems.

9. ENVIRONMENTAL RISK ASSESMENT AND OUTCOMES

There were no changes in the environmental risk assessment and outcomes which was submitted to the Agency in March 2009.

An environmental risk assessment was carried out in February 2011 covering all aspects of the MRF operation. The environmental risk assessment identified all impacts to the environment that may be caused to the surrounding environment due to onsite activities. The significance of the impacts was then quantified using the following equation:

Frequency (F) x Likelihood of loss of control (L) x Severity (S) x Legal Requirements
= Significance Rating (C)

The two areas which scored >-40 had procedures in place revised to ensure minimum impact to the surrounding environment. These areas are highlighted in the attached Register of Environmental Aspects and Impacts which can be found in Appendix A of the report.

10. REVIEW OF ENVIRONMENTAL OBJECTIVES AND TARGETS 2011

Aspects	Objective	Target	Responsibility of	Status
Waste Management	Ensure the most efficient and environmentally sustainable management of material entering the MRF	Promote Recycling in-house within the MRF site offices	GB Management	Complete
		Prepare input hall SOP and provide training of same to ensure that staff and plant adjust to deal with different types of incoming material	Facility Manager	Complete
		Draw up residue management plan to lower dross levels	Facility Manager	Complete
		Carry out waste characterisation surveys monthly	Environmental Officer	Complete
Compliance with the facility Waste Licence	Operate the facility in accordance with the Conditions of the Waste Licence and promote continual environmental improvement	Review training schedule of each staff member and identify training needs	GB Management	Complete
		Continue programme of regular inspections to include storm water sampling	Environmental Officer	Complete
		Continue to maintain the appropriate records at the facility in accordance with Condition 11 of the facility Waste Licence	Environmental Officer	Complete
Water/Oil	Prevent surface water contamination	Erect bund shelter at back of fire bay	Facility Manager	Postponed
		Retrain Maintenance staff and baler operators on spill response procedure	Environmental Officer	Complete
Traffic Management	Achieve organised, efficient and safe movement of cars,	Cleaning regime for plant floor and equipment to be put in place	Facility Manager	Complete
		Reapply site road markings	H&S Manager	Postponed

		trucks and machinery on site minimising noise and emissions	Identify where energy savings can be made		
Resource Use and Energy Efficiency		Identify opportunities for energy use reduction and efficiency.	Dedicate an Energy Saving Manager and provide training for all staff on energy efficient practices	Environmental Officer	Complete
Public Relations		Minimisation of Complaints	Effectively deal with environmental complaints	Environmental Officer	Complete
			Formulate action plans for all aspects of the service to minimise complaints	MRF Management Team	Complete
			Maintain a high standard of housekeeping practises at the facility to minimise the number of complaints	Environmental Officer / Facility Manager	Complete
Material Quality		Ensure that all containers leaving the site have been loaded accordingly and that the material therein conforms to specified quality standards	Provide material quality training to all MRF to ensure that material loaded for export is of a high quality grade	Facility Manager	Complete
			Retrain forklift drivers on appropriate picture taking as per TFS Regulations	Environmental Officer	Complete

11. INCIDENTS

There were no environmental incidents experienced during the reporting period January 2011 to December 2011.

12. COMPLAINTS

The facility received 2 complaints in total during the reporting period.

Details of the complaints received during the reporting period can be seen in Appendix B Register of Environmental Complaints.

13. TANK AND PIPELINE TESTING AND INSPECTION REPORT

Siac Construction Ltd. carried out all pipeline integrity testing in December 2008 the types and results of which can be seen in Appendix C of the report. The pipes are scheduled to be retested in May 2012.

14. FINANCIAL PROVISION

Greyhound Recycling and Recovery Ltd. public and product liability indemnity limit was up to €6,500,000. In terms of environmental pollution the indemnity applied to damage to any buildings or other structures, to any water, land or atmosphere caused by pollution or contamination. The policy covered pollution caused by a sudden, identifiable, unintended and unexpected event and not gradual pollution. The cover was in excess of any environmental liability that may have arisen due to such incident.

All trans-frontier shipment of non-green list material undertaken by Greyhound Recycling and Recovery was effected under a financial guarantee calculated on the cost for return and disposal of material where warranted.

15. MANAGEMENT AND STAFFING STRUCTURE

Name	Position	Responsibilities	Experience	Backup
Brian Buckley	Director	Overall Management of site	11 years experience in Waste Management, FAS Waste course completed	Michael Buckley
Michael Buckley	Director	Overall Management of site	11 years experience in Waste Management, FAS Waste course completed	Brian Buckley
Dr Gabriel Kelly	Group Environmental and Health & Safety Manager	Group Environment, Health & Safety	18 years experience in Waste Management, Environmental compliance and facility management	Clare Donnellan
Cormac Sheils	Group Operations Manager	EPA licence compliance, Group operations, Health & Safety	18 years experience in Operational Management and control. 1 year experience in Waste management.	Eamonn Hanley
Clare Donnellan	Green Bin EHS Officer	EPA licence compliance, ISO9001, ISO14001, Health & Safety	3 years experience in Waste management, Environmental and Health and Safety compliance	Dr Gabriel Kelly
Eamonn Hanley	Green Bin Operations /MRF Facility Manager	EPA licence compliance, Green Bin operations, Health & Safety, Production, Waste type and quality check.	10 years experience in Waste Management, operations management	Cormac Sheils
Padraig Treanor	MRF Maintenance Manager	Plant Machinery Maintenance Management	8 years of industry experience in maintenance, installation and programming	Tom Caraher

16. PROGRAMME FOR PUBLIC INFORMATION

Greyhound Recycling and Recovery Limited maintained a *Public Information File* at the licensed facility. This file contained specified information relating the environmental performance of the Company. The file remains available for inspection by the public on request at the facility. No public requests for information were received during the reporting period. Greyhound Recycling and Recovery Limited also maintained a facility notice board providing facility information including facility licence number and operating hours.

17. RESIDUALS MANAGEMENT PLAN

There were no changes in the Residuals Management Plan which was submitted to the Agency in October 2008.

Appendix A

Assessment of Environmental Aspects & Impacts

N = Normal **A** = Abnormal

D = Direct **I** = Indirect

Frequency

Frequency of each aspect occurring

Rating	Category
1	Rare
2	Infrequent
3	Often
4	Frequent
5	Very frequent

Likelihood of Loss of Control

1 = Unlikely **5** = Highly likely

Severity

Severity of the consequences of an incident

Rating	Category	Description
1	None	The pollutant will cause no damage
-1	Negligible	Impact is relatively innocuous
-2	Low	Impact causes inconvenience or slight nuisance rather than harm
-3	Medium	Impact could cause harm to plant/animal/bird/insect/marine life etc and be a nuisance to neighbours and employees
-4	High	Impact could cause death to plant/animal/bird/insect/marine life etc and cause major nuisance to neighbours and employees
-5	Extreme	Impact is persistent or could harm the health of the local population or lead to loss of human life

Legal Requirement

1 = No legislation exists

2 = Legislation must be complied with

Result

Frequency x Likelihood of Loss of Control x Severity x Legal Requirements = Significance
Rating C

Register of Aspects and Impacts

Frequency (F) x Likelihood of Loss of Control (L) x Severity (S) x Legal Requirements = Significance Rating C

Ref.	Aspect	Impact	Frequency of Occurrence (F)	Likelihood of Loss of Control (L)	Severity of Consequences (S)	Legal Requirements	Significance Rating C
N	On-site vehicle noise (N)	Local increase in noise levels (D)	2	3	-3	2	-36
N	On-site operation – processing (N)	Local increase in noise levels (D)	2	3	-3	2	-36
SW	Poor drainage infrastructure (N)	Raised BOD & COD levels (D)	2	3	-3	2	-36
LD	Waste acceptance / production break – lack of capacity (A)	Recyclables waste sent to landfill (I)	1	3	-3	2	-18
SW	Vehicle washing (N)	Possible surface water contamination (D)	1	3	-3	2	-18
SW	Vehicle washing (N)	Increased loading at sewage treatment plant (D)	2	2	-3	2	-24
LD	Landfilling of residual waste (A)	Reduction of capacity at landfill sites (I)	1	4	-3	2	-24
LD	Landfilling of residual waste (A)	Increased pollution problems at landfill sites (I)	1	4	-3	1	-12
LD	Hazardous waste in recyclables bin – not picked out and sent to landfill (A)	Contamination of land (I)	1	3	-4	2	-24
FW	Surface water going to foul sewer (N)	Increased loading at sewage treatment plant (D)	4	4	-1	2	-32
N	Odour from waste processing activity (A)	Nuisance to neighbours (D)	1	3	-3	2	-18
N	Odour from waste transport on-site (A)	Nuisance to neighbours (D)	1	3	3-	2	-18
A	Road Vehicles Operation Emissions (N)	CO ₂ , CO, SO _x , NO _x , particulates and HC's – ground level ozone, greenhouse effect &	5	2	-1	2	-20

Maintenance	SW	Lack of banded storage facilities for drums on site (N)	acidification (D)	2	2	-4	2	2	-24
Recyclables	A	Dust associated with normal operations (N)	Local air pollution (D)	2	3	-2	2	2	-24
Collection	N	Windblown litter from vehicles (N)	Litter pollution along collection route (D)	2	2	-3	2	2	-24
Maintenance	SW LD	Hazardous wastes from maintenance of onsite machinery – Improper storage and handling of waste (A)	Possible contamination of surface / ground water (D)	2	2	-4	2	2	-32
Transfer / Maintenance	GW	Surface water (N)	Possible contamination of ground water (D)	2	4	-2	2	2	-32
Transfer / Maintenance	SW DW	Chemical / oil drums not clearly labelled (N)	Potential for health & safety or environmental accident (D)	1	2	-4	2	2	-16
Construction	N	Construction & site development noise (A)	Local increase in noise levels (D)	1	4	-2	2	2	-16
Maintenance	SW GW	Vehicle / machinery leaks causing off-site spill of hydrocarbons (A)	Surface and ground water contamination (I)	2	2	-4	2	2	-32
Transfer /	N	Windblown litter on-site (N)	Local litter pollution (D)	3	4	-2	2	2	-48
	R	Machinery, vehicle and surface cleaning (N)	Water usage – resource depletion	4	2	-3	1	1	-24
Recycle	R	Administration paper use (N)	Resource Depletion – forests	5	1	-3	1	1	-15
Construction	SW	Construction and Site Development (A)	Increase suspended solids in storm and surface water runoff (D)	1	2	-3	2	2	-12
Transfer /	SW	Detergent spill (A)	Surface water	1	3	-3	2	2	-18

aintenance	SW	Fire fighting systems – release of liquid organics (A)	contamination, possible eutrophication (D)	1	3	-4	2	-24
aintenance / Transfer	LD	Spill of oil on non concreted surface (A)	Soil and land contamination (D)	1	4	-3	2	-24
Transfer	N	Visual Impact of facility (N)	Reduction of physical amenity of area (D)	5	1	-1	1	-5
Waste Transfer	A	Waste on fire (A)	Emission of various gases to the air including dioxins (D)	1	5	-4	2	-40
Waste Transfer	SW A	Handling of hazardous wastes (A)	Spillage: Contamination of surface water, escape to the air (D)	1	3	-4	2	-24
	LD GW	Migration of contaminated surface water from high area to non concreted area (N)	Soil and land contamination (D)	1	4	-3	2	-24
	SW	Migration of contaminated surface water from HIGH to LOW risk area (N)	Contamination of surface water (D)	1	4	-3	2	-24
Waste Transfer	FW	Quarantined mixed waste on fire(A)	Increase COD and suspended solids in foul water effluent from firewater	1	4	-4	2	-32
	SW	Lack of oil separators for the treatment of surface water (N)	Contamination of surface water (D)	2	3	-2	2	-24

Appendix B

Register of Environmental Complaints 2011

	Date Received	Complainant	Actions carried Out / In Place	Reoccurrence of Issue
Litter / Housekeeping	3 rd of March 2011	The EPA inspected the site and a non-compliance was issued due to on site housekeeping issues	An investigation was carried out and all necessary corrective actions were put in place to avoid reoccurrence of the issue.	No
	23 rd of March 2011	The complaint was received from a member of the public regarding windblown litter on the road adjacent to the MRF coming from both the greenbin collection vehicles and the trucks carrying compactors leaving the MRF site.	An investigation was carried out and measures were put in place to avoid reoccurrence of the issue.	No

Appendix C

Ballymount MRF	Pipe Testing Schedule			
Pipe Line	Type of Test	Duration of Test	Test Result	
MH 01 to MH 02	Air Test	5min	Pass	
MH 02 to MH 03	Air Test	5min	Pass	
MH 03 to MH 04	Air Test	5min	Pass	
MH 04 to MH 05	Air Test	5min	Pass	
MH 05 to MH 06	Air Test	5min	Pass	
MH 06 to MH 07	Air Test	5min	Pass	
MH 07 to MH 08	Air Test	5min	Pass	
MH 08 to MH 09	Air Test	5min	Pass	
MH 10 to MH 11	Air Test	5min	Pass	
MH 12 to MH 13	Air Test	5min	Pass	
MH 13 to MH 14	Air Test	5min	Pass	
MH 14 to MH 15	Air Test	5min	Pass	
MH 15 to MH 16	Air Test	5min	Pass	
MH 16 to MH 17	Air Test	5min	Pass	
MH 17 to MH 18	Air Test	5min	Pass	
MH 18 to MH 19	Air Test	5min	Pass	
MH 19 to MH 20	Air Test	5min	Pass	
MH 20 to MH 21	Air Test	5min	Pass	
MH 21 to MH 22	Air Test	5min	Pass	
MH 22 to MH 23	Air Test	5min	Pass	
MH 23 to MH 24	Air Test	5min	Pass	
MH24 to MH 25	Air Test	5min	Pass	
MH25 to MH 26	Air Test	5min	Pass	

Appendix D



Environmental Protection Agency

| PRTR# : W0238 | Facility Name : Ballymount MRF (Merrywell) | Filename : W0238_2011.xls | Return Year : 2011 |

Guidance to completing the PRTR workbook**AER Returns Workbook**

Version 1.1.13

REFERENCE YEAR	2011
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1. FACILITY IDENTIFICATION

Parent Company Name	Dublin City Council
Facility Name	Ballymount MRF (Merrywell)
PRTR Identification Number	W0238
Licence Number	W0238-01

Waste or IPPC Classes of Activity

No.	class_name
4.2	Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes).
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.
4.13	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.
4.3	Recycling or reclamation of metals and metal compounds.
4.4	Recycling or reclamation of other inorganic materials.
Address 1	Merrywell Industrial Estate
Address 2	Ballymount Road Lower
Address 3	Ballymount
Address 4	Dublin 12
	Dublin
Country	Ireland
Coordinates of Location	-6.35671 53.3145
River Basin District	IEEA
NACE Code	2314
Main Economic Activity	Manufacture of glass fibres
AER Returns Contact Name	Ms Clare Donnellan
AER Returns Contact Email Address	clare.donnellan@panda.ie
AER Returns Contact Position	Site EHS Officer
AER Returns Contact Telephone Number	01 4591322
AER Returns Contact Mobile Phone Number	087 650 1531
AER Returns Contact Fax Number	
Production Volume	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	0
User Feedback/Comments	
Web Address	

2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
50.1	General

5(c) 50.1	Installations for the disposal of non-hazardous waste General
3. SOLVENTS REGULATIONS (S.I. No. 543 of 2002)	
Is it applicable?	
Have you been granted an exemption ?	
If applicable which activity class applies (as per Schedule 2 of the regulations) ?	
Is the reduction scheme compliance route being used ?	

4.1 RELEASES TO AIR

[Link to previous years emissions data](#)

| PRTR# : W0238 | Facility Name : Ballymount MRF (Merrywell) | Filename : AER.xls | Return Year : 2011 |

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

POLLUTANT		METHOD		QUANTITY	
No. Annex II	Name	M/C/E	Method Used Description or Description	T (Total) KG/Year	F (Fugitive) KG/Year
				0.0	0.0

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

SECTION B : REMAINING PRTR POLLUTANTS

POLLUTANT		METHOD		QUANTITY	
No. Annex II	Name	M/C/E	Method Used Description or Description	T (Total) KG/Year	F (Fugitive) KG/Year
				0.0	0.0

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

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

POLLUTANT		METHOD		QUANTITY	
Pollutant No.	Name	M/C/E	Method Used Description or Description	T (Total) KG/Year	F (Fugitive) KG/Year
				0.0	0.0

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

Additional Data Requested from Landfill operators

For the purposes of the National Inventory on Greenhouse Gases, landfill operators are requested to provide summary data on landfill gas (Methane) flared or utilised on their facilities to accompany the figures for total methane generated. Operators should only report their 'Net methane (CH4) emission to the environment under T (total) KG/yr for Section A: Sector specific PRTR pollutants above. Please complete the table below:

Total estimated methane generation (as per site model)	Methane flared	Methane utilised in engine/s	Net methane emission (as reported in Section A above)	Method Used		Facility Total Capacity m3 per hour
				M/C/E	Designation or Description	
0.0	0.0	0.0	0.0			N/A
0.0	0.0	0.0	0.0			0.0 (Total Flaring Capacity) 0.0 (Total Utilising Capacity)
0.0	0.0	0.0	0.0			N/A

[Link to previous years emissions data](#)

PRTR# : W0238 | Facility Name : Ballymount MRF (Merrywell) | Filename : W0238_2011.xls | Return Year : 2011 |

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4.2 RELEASES TO WATERS

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

POLLUTANT		RELEASERS TO WATERS		QUANTITY		
No. Annex II	Name	M/C/E	Method Used Designation or Description	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
			Emission Point 1	0.0	0.0	0.0

Data on ambient monitoring of storm/surface water or groundwater, conducted as part of your licence requirements, should NOT be submitted under AER / PRTR Reporting as this only Please enter all quantities in this section in KGs

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

SECTION B : REMAINING PRTR POLLUTANTS

POLLUTANT		RELEASERS TO WATERS		QUANTITY		
No. Annex II	Name	M/C/E	Method Used Designation or Description	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
			Emission Point 1	0.0	0.0	0.0

Please enter all quantities in this section in KGs

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

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

POLLUTANT		RELEASERS TO WATERS		QUANTITY		
Pollutant No.	Name	M/C/E	Method Used Designation or Description	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
			Emission Point 1	0.0	0.0	0.0

Please enter all quantities in this section in KGs

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

4.3 RELEASES TO WASTEWATER OR SEWER

[Link to previous years emissions data](#)

PRTR# : W0206 | Facility Name : Ballymount MRF (Bennywell) | Filename : AER.xls | Return Year : 03/04/2012 14:30

SECTION A : PRTR POLLUTANTS

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

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

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

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

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

[Link to previous years emissions data](#)

[PRTR# : W0238 | Facility Name : Ballymount MRF (Merrywell) | Filename : AER.xls | Return Year : 2011]

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4.4 RELEASES TO LAND

SECTION A : PRTR POLLUTANTS

POLLUTANT		METHOD		QUANTITY	
No. Annex II	Name	M/C/E	Method Code Designation or Description	T (Total) KG/Year	A (Accidental) KG/Year
				0.0	0.0

Please enter all quantities in this section in KGs

* 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)

POLLUTANT		METHOD		QUANTITY	
Pollutant No.	Name	M/C/E	Method Code Designation or Description	T (Total) KG/Year	A (Accidental) KG/Year
				0.0	0.0

Please enter all quantities in this section in KGs

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

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE (PRTR# : W0238 | Facility Name : Ballymount MRF (Merrywell) | Filename : W0238_2011.xls | Return Year : 2011)
 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	Haz Waste Licence/Permit No of Recvwr/Disposer	Haz Waste Name and Address of Recvwr/Disposer	Name and License / Permit No. and Address of Final Recvwr / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination (ie Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY))
						M/C/E	Method Used					
To Other Countries	15 01 04	No	164.46	metallic packaging	R4	M	Weighed	Abroad	Novells Recycling, ...	Latchford Locks Works .Warrington Cheshire, WA4 1NN, United Kingdom		
To Other Countries	15 01 04	No	449.76	metallic packaging	R4	M	Weighed	Abroad	WRC Recycling .WMX/W/26453 and .WMX/W/26454	Floors Street, Johnstone .Renfrewshire Glasgow, PA5 8QS, United Kingdom		
Within the Country	16 06 01	Yes	0.4	lead batteries	R13	M	Weighed	Offsite in Ireland	Returnabatt Ltd, W0105-01	Unit 35 Kildare Enterprise Centre Melitta Road Kildare .Ireland	Unit 35 Kildare Enterprise Centre Melitta Rd Kildare, .Ireland	
To Other Countries	15 01 01	No	1649.4	cardboard packaging	R3	M	Weighed	Abroad	Mark Lydon Papers, Shanghai Orient / Tappot Int. .	12, The Triangle, Nottingham, NG2 1AE, United Kingdom		
To Other Countries	15 01 01	No	2698.01	cardboard packaging	R3	M	Weighed	Abroad		... Haicang, .China		
Within the Country	17 01 02	No	16.04	bricks	R5	M	Weighed	Offsite in Ireland	Greyhound Recycling, W205-01	Crag Avenue Clondalkin Industrial Estate, Dublin 22, .Ireland		
Within the Country	20 03 01	No	14.46	mixed municipal waste	R3	M	Weighed	Offsite in Ireland	Ray Whelan Ltd, W0158-01	Cappanaboe, .County Laois, .Ireland		
Within the Country	15 01 02	No	211.5	HDPE plastic packaging	R3	M	Weighed	Offsite in Ireland	Shabra Recycling Ltd, WFP-NN-08-0022-01	.Bree Castleblaney Co Monaghan, .Ireland		
Within the Country	15 01 02	No	148.2	HDPE plastic packaging	R3	M	Weighed	Offsite in Ireland	WERS, CP608	Road Tuam Co. Galway, .Ireland		
To Other Countries	15 01 02	No	465.52	HDPE plastic packaging	R3	M	Weighed	Abroad	WRC Recycling .WMX/W/26453 and .WMX/W/26454	Floors Street, Johnstone .Renfrewshire Glasgow, PA5 8QS, United Kingdom		
Within the Country	20 01 40	No	11.68	metals	R4	M	Weighed	Offsite in Ireland	Greyhound Recycling, W205-01	Crag Avenue Clondalkin Industrial Estate, Dublin 22, .Ireland		
To Other Countries	15 01 02	No	379.54	Mixed plastic packaging	R3	M	Weighed	Abroad	AWS Eco Plastic Ltd .EA/WML/73274	Unit 2 Britania Business Park, Point Pleasant Ind. Est., Newcastle-Upon-Tyne, NE28 9HA, United Kingdom		
Within the Country	15 01 02	No	9.9	Mixed plastic packaging	R3	M	Weighed	Offsite in Ireland	Greyhound Recycling, W205-01	Crag Avenue, Clondalkin 22, .Ireland		
To Other Countries	15 01 02	No	63.0	Mixed plastic packaging	R3	M	Weighed	Abroad	J&A Young Ltd, .	Brook House, Hambleton Road, Egleton Nr Oakham Rutland, LE15 8AE, United Kingdom		
Within the Country	15 01 02	No	430.22	Mixed plastic packaging	R3	M	Weighed	Offsite in Ireland	Shabra Recycling Ltd, WFP-NN-08-0022-01	Killycard Ind. Est. .Bree Castleblaney Co. Monaghan, .Ireland		
To Other Countries	15 01 02	No	60.68	Mixed plastic packaging	R3	M	Weighed	Abroad	WRC Recycling .WMX/W/26453 and .WMX/W/26454	Floors Street, Johnstone .Renfrewshire Glasgow, PA5 8QS, United Kingdom		

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz.Waste Licence/Permit No of Next Destination Facility Licence/Permit No of Recover/Disposer	Haz.Waste Name and Address of Next Destination Facility Non Haz.Waste Address of Recover/Disposer	Name and License / Permit No and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used					
To Other Countries	15 01 04	No	462.42	metallic packaging	R4	M	Weighted	Abroad	Pontypool Steel Ltd., Multimetals ,WP WW09001401	Polyground Ind Est.,New Inn,Pontypool NP4 OTW,United Kingdom Bollanney,Murrough ,Wicklow Town,,Ireland		
Within the Country	15 01 04	No	47.56	metallic packaging	R4	M	Weighted	Offsite in Ireland	WRC Recycling ,WMX/W/26453 and ,WMX/W/26454	Floors Street,Johnstone ,Renfrewshire Glasgow,PA5 BQS,United Kingdom		
To Other Countries	15 01 04	No	988.44	metallic packaging	R4	M	Weighted	Abroad	WRC Recycling ,WMX/W/26453 and ,WMX/W/26454	Floors Street,Johnstone ,Renfrewshire Glasgow,PA5 BQS,United Kingdom		
To Other Countries	15 01 06	No	24.8	mixed packaging	R3	M	Weighted	Abroad	WRC Recycling ,WMX/W/26453 and ,WMX/W/26454	Floors Street,Johnstone ,Renfrewshire Glasgow,PA5 BQS,United Kingdom		
Within the Country	20 01 01	No	1914.88	Mixed paper	R3	M	Weighted	Offsite in Ireland	Cree Kilnush,Co. ,00207/WPT/CL	Cree Kilnush,Co. ,Clare,,Ireland		
Within the Country	20 01 01	No	51.14	mixed paper	R3	M	Weighted	Offsite in Ireland	Greyhound Recycling,W205- 01	Crag Avenue,Clondalkin Industrial Estate,Dublin 22,,Ireland		
Within the Country	20 01 01	No	2637.88	mixed paper	R3	M	Weighted	Offsite in Ireland	Dillon Waste & Recycling ,WFF-KY-10-001	The Kernes,Tralee Co. Kerry,,Ireland		
Within the Country	20 01 01	No	2816.4	mixed paper	R3	M	Weighted	Offsite in Ireland	Killamey Waste Ltd.,W0217- 02	Aughacurreen,Killamey,Co Kerry,,Ireland		
To Other Countries	20 01 01	No	9126.66	mixed paper	R3	M	Weighted	Abroad	Sterling FibreLtd.,SWE017953CB	Poplar House,Four Arches Croy,Kilsyth,Scotland,GG5 9TS,United Kingdom Tuam Business Park,Weir Road,Tuam Co. Galway,,Ireland		
Within the Country	20 01 01	No	1287.4	mixed paper	R3	M	Weighted	Offsite in Ireland	WERS,CP608			
To Other Countries	20 01 01	No	6676.12	mixed paper	R3	M	Weighted	Abroad	WRC Recycling ,WMX/W/26453 and ,WMX/W/26454	Floors Street,Johnstone ,Renfrewshire Glasgow,PA5 BQS,United Kingdom Crag Avenue,Clondalkin Industrial Estate,Dublin 22,,Ireland		
Within the Country	20 03 01	No	280.9	mixed municipal waste	R3	M	Weighted	Offsite in Ireland	Greyhound Recycling,W205- 01	Unit 9 Resfield 50 Rosemount Business Park,Ballycoolin Dublin 11,,Ireland		
Within the Country	20 01 01	No	7220.42	News paper and Pamphlets	R3	M	Weighted	Offsite in Ireland	Aganail Ltd.,IRE/AG117/10			
To Other Countries	20 01 01	No	2828.95	News paper and Pamphlets	R3	M	Weighted	Abroad	Shanghai Orient / Tappot Int.,...	Haicang,,China		
Within the Country	20 01 01	No	2417.16	News paper and Pamphlets	R3	M	Weighted	Offsite in Ireland	Highlander International - Natural Energy & Recycling Ltd.,...	7 Glenlea Drive,Terenure ,Dublin 6,,Ireland		
To Other Countries	20 01 01	No	1506.12	News paper and Pamphlets	R3	M	Weighted	Abroad	Shanghai Orient / Tappot Int.,...	Ningbo,,China		
To Other Countries	20 01 01	No	707.84	News paper and Pamphlets	R3	M	Weighted	Abroad	Sterling FibreLtd.,SWE017953CB	Poplar House Four Arches Croy,Kilsyth,Scotland,GG5 9TS,United Kingdom		
To Other Countries	20 01 01	No	2703.78	News paper and Pamphlets	R3	M	Weighted	Abroad	UPM - Kymmene Ltd.,...	Shotton Paper,Weightbridge Road,Shotton,Deeside Flintshire,CH5 2LL,United Kingdom		

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Licence/Permit No of Next Destination Facility (Name and Licence No of Recover/Disposer)	Haz.Waste: Name and Destination Facility (Name and Licence No of Recover/Disposer)	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination (i.e. Final Recovery / Disposal Site) (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used					
To Other Countries	15 01 02	No	64.92	PET plastic packaging	R3	M	Weighed	Abroad	AWS Eco Plastic Ltd EA/WML/73274	Unit 2 Britania Business Park, Point Pleasant/ Ind Est., Newcastle-Upon-Tyne, NE28 6HA, United Kingdom		
To Other Countries	15 01 02	No	242.94	PET plastic packaging	R3	M	Weighed	Abroad	J&A Young Ltd..	Brook House, Hambleton Road Eggleton Nr Oakham Rutland, LE15 8AE, United Kingdom		
Within the Country	15 01 02	No	172.9	PET plastic packaging	R3	M	Weighed	Offsite in Ireland	Shabra Recycling Ltd., WFP- NN-08-0022-01	Killycard Ind. Est. Bree, Castleblaney Co. Monaghan, Ireland		
To Other Countries	15 01 02	No	495.52	PET plastic packaging	R3	M	Weighed	Abroad	WRC Recycling WMX/W/26453 and WMX/W/26454	Floors Street, Johnstone Renfrewshire Glasgow, PA5 8QS, United Kingdom		
Within the Country	15 01 02	No	55.82	plastic film	R3	M	Weighed	Offsite in Ireland	Greyhound Recycling, W205-01	Crag Avenue Clondalkin Industrial Estate, Dublin 22, Ireland		
To Other Countries	15 01 02	No	836.68	plastic film	R3	M	Weighed	Abroad	WRC Recycling WMX/W/26453 and WMX/W/26454	Floors Street, Johnstone Renfrewshire Glasgow, PA5 8QS, United Kingdom		
To Other Countries	15 01 02	No	42.12	PVC plastic packaging	R3	M	Weighed	Abroad	Cherry Polymers, ROC 3124	Unit 5 Nuts Corner Business Park East, Dundrod Road Cumlin, Antrim, BT29 4SR, United Kingdom		
To Other Countries	15 01 02	No	40.46	PVC plastic packaging	R3	M	Weighed	Abroad	WRC Recycling WMX/W/26453 and WMX/W/26454	Floors Street, Johnstone Renfrewshire Glasgow, PA5 8QS, United Kingdom		
Within the Country	20 03 01	No	1997.88	mixed municipal waste	R3	M	Weighed	Offsite in Ireland	Greyhound Recycling, W205-01	Industrial Estate, Dublin 22, Ireland		
To Other Countries	15 01 05	No	206.3	composite packaging discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing	R5	M	Weighed	Abroad	Fiskeby Board.Sweden		
Within the Country	20 01 35	Yes	3.64	hazardous components	R5	M	Weighed	Offsite in Ireland	Recycleit, WP 726-5	Unit 15 Crag Terrace Clondalkin Ind. Est., Dublin 22, Ireland	Recycleit, WP 726-5, Unit 15, Crag Terrace Clondalkin Dublin 22, Ireland	

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