



ANNUAL ENVIRONMENTAL REPORT 2010

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. operate Waste Licence W0238-01 on behalf of Dublin City Council.

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 2010. The report provides details of the activities carried out at the facility from the 1st of January 2010 to the 31st December 2010.

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 allows 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.

Fourth 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 accepts household dry recyclable materials that have 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 come from the Dublin Region.

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

3. WASTE MANAGEMENT RECORD

Materials entering the Regional MRF are weighed and documented at the weighbridge in accordance with the facility waste licence W0238-01. Once weighed the mixed recyclable material is tipped into the processing building where it is inspected and segregated both manually and mechanically. The segregated materials are baled and stored in designated bays where they are 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 comes on site is segregated from the main material stream and placed in the designated quarantine area for appropriate recovery/reprocessing offsite.

Waste Accepted 2010

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 2010

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 enters 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).

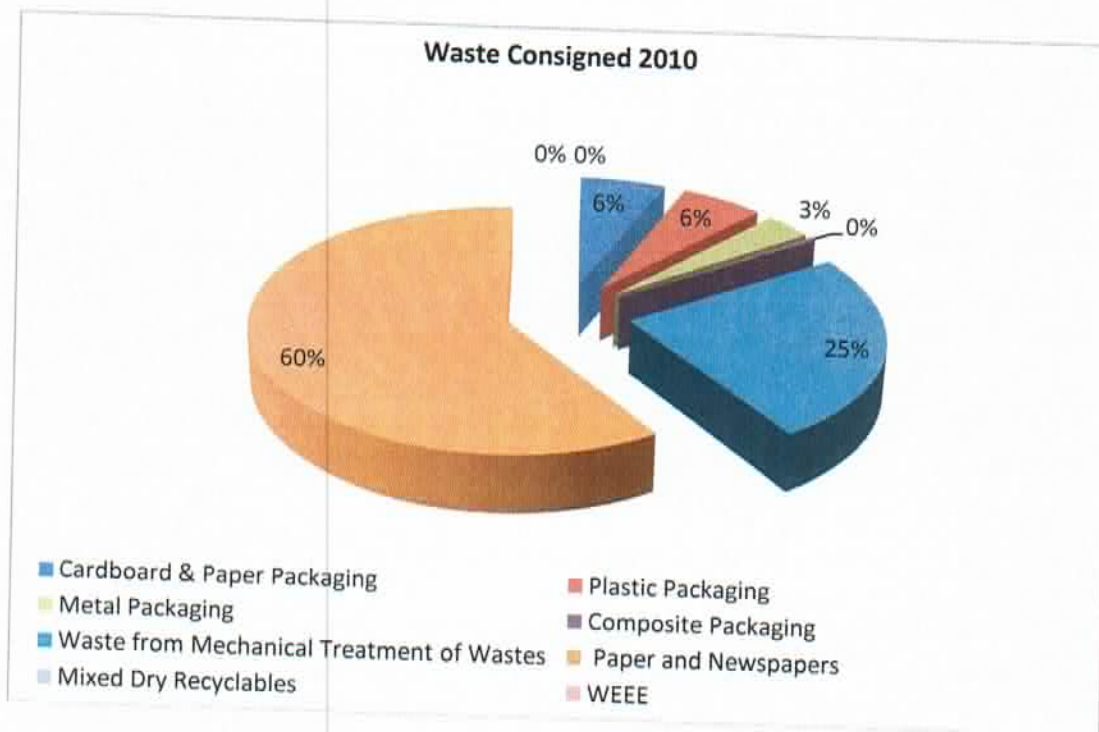
The total quantity of material accepted and processed at the licensed facility during the reporting period was 72,202.84 tonnes. The percentage recovery/recycled achieved on wastes handled at the facility during the reporting period was 75% recycled, 25% recovered. A tabulated breakdown of the quantity 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.

EWC Code	Description of Waste	Waste In (tonnes)	Waste Out (Tonnes)	Recovery -R Recycling - Rd	%
15 01 01	Cardboard & Paper Packaging		4,232.44		6.0%
15 01 02	Plastic Packaging	249.44	4,057.22		5.7%
15 01 04	Metal Packaging		2,320.96		3.2%
15 01 05	Composite Packaging		316.04		0.4%
15 01 06	Mixed Packaging	1,570.40			
19 12 12	Waste from Mechanical Treatment of Wastes		17,717.31	17,717.31	25.0%
20 01 01	Paper and Newspapers		42,151.94		59.5%
20 03 01	Mixed Dry Recyclables	70,383.00	13.98		0.2%
20 01 36	WEEE		1.44		0.1%
	Total	72,202.84	53,094.02	17,717.31	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 Merrywell MRF is well on the way to achieving these targets. The recycling and recovery rate for the facility for 2010 is 100% of all waste leaving the site (Table 2). No material leaving the facility went to landfill in 2010. The waste recovered consists 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 2010

Waste Statistics 2008	Tonnes	%
Total Waste Out	70,811.33	100%
Total Waste Recycled	53,094.02	75%
Total Waste Recovered	17,717.31	25%
Total Recycled and Recovered	70.811.33	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
7/1/2010			6.8	9
15/1/2010			7.5	10
22/1/2010			8.6	9
28/1/2010			7.1	9
3/2/2010			6.9	9
12/2/2010			6.3	9
19/2/2010			6.9	9
23/2/2010			6.7	9
5/3/2010			7.3	9
10/3/2010	8mg/L	<2mg/L		
12/3/2010			6.9	9
19/3/2010			8.1	8
25/3/2010			8.1	9
2/4/2010			8.0	9
8/4/2010			8.6	9
23/4/2010			7.4	9
30/4/2010			7.8	8

6/5/2010			6.9	9
17/5/2010			7.6	10
21/5/2010			7.1	10
27/5/2010			7.2	10
3/6/2010			7.1	10
10/6/2010			6.9	9
18/6/2010			7.3	8
24/6/2010			7.0	8
26/6/2010	<5mg/L	5mg/L		7/8
30/6/2010			6.8	8
8/7/2010			6.9	8
15/7/2010			7.1	9
23/7/2010			7.1	9
30/7/2010			6.9	10
5/8/2010			7.8	10
26/8/2010			7.5	10
2/9/2010			6.9	9
9/9/2010			8.0	9
17/9/2010			6.8	8
24/9/2010	5mg/L	12mg/L	7.8	9
30/9/2010			7.1	10
6/10/2010			7.8	10
15/10/2010			6.9	10
21/10/2010			7.0	10
29/10/2010			7.4	9
11/11/2010			7.1	9
18/11/2010			7.2	8
25/11/2010			7.6	10
3/12/2010			7.1	9
17/12/2010	5mg/L	<2mg/L		
30/12/2010			7.1	10

Table 5.2: Noise Monitoring

Monitoring location	Day /Night period	L _{Aeq} dB(A)	L _{A90} dB(A)	L _{A10} dB(A)
N1	Day	53.3	46.9	55.7
	Night	42.2	38.3	45.1
N2	Day	47.1	44.4	49.2
	Night	41.1	38.8	43.3
N3	Day	52.2	42.2	54.7
	Night	44.2	38.8	46.5

Date of Survey: 12th November 2010

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 2010.

Raw Material/Resource	Application	Consumption
Electricity	Office and plant use	2,448,126 kWh
Hydraulic Oil	Process plant and fleet vehicles	3,873 Litres
Marked Diesel	Mobile plant machinery	88,446 Litres
Derv Diesel	Collection Vehicles	518,686 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 are undertaken within the framework of the ISO9001 and ISO14001 management systems.

9. ENVIRONMENTAL RISK ASSESMENT AND OUTCOMES

There are 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 March 2010 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 2010

No.	Aspects	Objective	Target	Responsibility of	Due
1	Waste Management	Ensure the most efficient and environmentally sustainable management of material entering the MRF	Promote Recycling in-house within the MRF site offices	Environmental Officer	On-going
			Update weighbridge software to record contaminated loads	Environmental Officer	Complete
			Update banksman procedure to include inspection of incoming material and communication to weighbridge	Environmental Officer	Complete
2	Compliance with the facility Waste Licence	Operate the facility in accordance with the Conditions of the Waste Licence and promote continual environmental improvement	Carry out waste characterisation surveys monthly – to include quarterly residual waste characterisation survey	Environmental Officer	On-going
			Review training schedule of each staff member and identify training needs	Environmental Officer	On-going
			Continue programme of regular inspections to include storm water sampling	Environmental Officer	On-going
			Continue to maintain the appropriate records at the facility in accordance with Condition 11 of the facility Waste Licence	Environmental Officer	On-going
			Put pest control programme in place	Environmental Officer	Complete
3	Water/Oil	Prevent surface water contamination	Installation of third metal bund in maintenance room to store waste oil	Environmental Officer	Complete
			Retrain all MRF staff in spill/leak response and the use of bund spill kits	Environmental Officer	Complete
			Schedule GRR road sweeper to clean site roads once per week	Environmental Officer	On-going

4	Traffic Management	Achieve organised, efficient and safe movement of cars, trucks and machinery on site minimising noise and emissions	Repair existing traffic control units	H&S Manger	Complete
5	Resource Use and Energy Efficiency	Identify opportunities for energy use reduction and efficiency.	Identify where energy savings can be made	Environmental Officer	On-going
6	Public Relations	Minimisation of Complaints	Dedicate an Energy Saving Manager and provide training for all staff on energy efficient practices Effectively deal with complaints	Environmental Officer	Postponed
			Formulate action plans for all aspects of the service to minimise complaints	Environmental Officer	On-going
			Maintain a high standard of housekeeping practises at the facility to minimise the number of complaints	MRF Management Team	On-going
			Provide material quality training to all MRF to ensure that material loaded for export is of a high quality grade	Environmental Officer	On-going
7	Material Quality	Ensure that all containers leaving the site have been loaded accordingly and that the material therein conforms to specified quality standards	Retrain forklift drivers on appropriate picture taking as per TFS Regulations	Facility Manager	Complete
			Install additional chutes to remove plastic film from main material stream	Environmental Officer	Complete
				Facility Manager	Complete

11. ENVIRONMENTAL OBJECTIVES AND TARGETS 2011

No.	Aspects	Objective	Target	Responsibility of	Due
1	Waste Management	Ensure the most efficient and environmentally sustainable management of material entering the MRF	<p>Promote Recycling in-house within the MRF site offices</p> <p>Prepare input hall SOP and provide training of same to ensure that staff and plant adjust to deal with different types of incoming material</p> <p>Draw up residue management plan to lower gross levels</p> <p>Carry out waste characterisation surveys monthly</p>	<p>GB Management</p> <p>Facility Manager</p> <p>Facility Manager</p> <p>Environmental Officer</p>	<p>On-going</p> <p>February 2011</p> <p>February 2011</p> <p>On-going</p>
2	Compliance with the facility Waste Licence	Operate the facility in accordance with the Conditions of the Waste Licence and promote continual environmental improvement	<p>Review training schedule of each staff member and identify training needs</p> <p>Continue programme of regular inspections to include storm water sampling</p> <p>Continue to maintain the appropriate records at the facility in accordance with Condition 11 of the facility Waste Licence</p>	<p>GB Management</p> <p>Environmental Officer</p> <p>Environmental Officer</p>	<p>On-going</p> <p>On-going</p> <p>On-going</p>
3	Water/Oil	Prevent surface water contamination	<p>Erect bund shelter at back of fire bay</p> <p>Retrain Maintenance staff and baler operators on spill response procedure</p> <p>Cleaning regime for plant floor and equipment to be put in place</p> <p>Reapply site road markings</p>	<p>Facility Manager</p> <p>Environmental Officer</p> <p>Facility Manager</p> <p>H&S Manager</p>	<p>March 2011</p> <p>April 2011</p> <p>February 2011</p> <p>April 2011</p>
4	Traffic Management	Achieve organised, efficient			

		and safe movement of cars, trucks and machinery on site minimising noise and emissions				
5	Resource Use and Energy Efficiency	Identify opportunities for energy use reduction and efficiency.	Identify where energy savings can be made	Environmental Officer	On-going	
6	Public Relations	Minimisation of Complaints	Dedicate an Energy Saving Manager and provide training for all staff on energy efficient practices Effectively deal with environmental complaints	Environmental Officer	May 2011	
			Formulate action plans for all aspects of the service to minimise complaints	Environmental Officer	On-going	
			Maintain a high standard of housekeeping practises at the facility to minimise the number of complaints	MRF Management Team	On-going	
7	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 Retrain forklift drivers on appropriate picture taking as per TFS Regulations	Environmental Officer / Facility Manager	On-going	
				Facility Manager	February 2011	
				Environmental Officer	February 2011	

12. INCIDENTS

There was one environmental incident in total experienced during the reporting period January 2010 to December 2010.

On February the 26th a green collection vehicle, truck 09 D 1013, collecting bins in Moatfield Park /Avenue Coolock experienced a hydraulic oil leak. Manvic and the Dublin fire brigade were contacted immediately and assisted with the cleanup. Spill kits were used to absorb the hydraulic oil (approx 8L) and prevent spread of the spill. All absorbent material used was removed from the site and disposed of appropriately. A road sweeper was then sent out to ensure that all material had been removed. The EPA was informed of the incident.

13. COMPLAINTS

The facility received 6 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.

14. 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 December 2011.

15. FINANCIAL PROVISION

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

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

16. 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 Manager	EPA licence compliance, Green Bin operations, Health & Safety	10 years experience in Waste Management, operations management	Cormac Sheils
Darren Carty	MRF Facility Manager	Production, Waste type and quality check. Plant Machinery Maintenance Management	12 years of industry experience in maintenance, installation and programming	Padraig Traynor

17. PROGRAMME FOR PUBLIC INFORMATION

Greyhound Recycling and Recovery Limited maintains a *Public Information File* at the licensed facility. This file contains specified information relating the environmental performance of the Company. The file is 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 maintain a facility notice board providing facility information including facility licence number and operating hours.

18. RESIDUALS MANAGEMENT PLAN

There are 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

Dep.	Ref.	Aspect N = Normal A = Abnormal	Impact D = Direct I = Indirect	Frequency of Occurrence (F)	Likelihood of Loss of Control (L)	Severity of Consequences (S)	Legal Requirements	Significance Rating C
Collections / Site	N	On-site vehicle noise (N)	Local increase in noise levels (D)	2	3	-3	2	-36
Recyclables	N	On-site operation – processing (N)	Local increase in noise levels (D)	2	3	-3	2	-36
Site	SW	Poor drainage infrastructure (N)	Raised BOD & COD levels (D)	2	3	-3	2	-36
Recyclables	LD	Waste acceptance / production break – lack of capacity (A)	Recyclables waste sent to landfill (I)	1	3	-3	2	-18
Transport / Processing	SW	Vehicle washing (N)	Possible surface water contamination (D)	1	3	-3	2	-18
Transport / Processing	SW	Vehicle washing (N)	Increased loading at sewage treatment plant (D)	2	2	-3	2	-24
Waste Transfer	LD	Landfilling of residual waste (A)	Reduction of capacity at landfill sites (I)	1	4	-3	2	-24
Waste Transfer	LD	Landfilling of residual waste (A)	Increased pollution problems at landfill sites (I)	1	4	-3	1	-12
Waste Transfer	LD	Hazardous waste in recyclables bin – not picked out and sent to landfill (A)	Contamination of land (I)	1	3	-4	2	-24
Site	FW	Surface water going to foul sewer (N)	Increased loading at sewage treatment plant (D)	4	4	-1	2	-32
Waste Transfer	N	Odour from waste processing activity (A)	Nuisance to neighbours (D)	1	3	-3	2	-18
Transport	N	Odour from waste transport on-site (A)	Nuisance to neighbours (D)	1	3	3-	2	-18
Collection	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
Collections	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
Site	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
Site 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
Site / Transfer	N	Windblown litter on-site (N)	Local litter pollution (D)	3	4	-2	2	2	-48
All	R	Machinery, vehicle and surface cleaning (N)	Water usage – resource depletion	4	2	-3	1	1	-24
Office	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

Maintenance													
All	SW	Fire fighting systems – release of liquid organics (A)	contamination, possible eutrophication (D)	1	3	-4	2						-24
Maintenance / 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 dioxims (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
Site	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
Site	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
Site	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 2010

	Date Received	Complainant	Actions carried Out / In Place	Reoccurrence of Issue
Litter / Housekeeping	18th May 2010	The EPA inspected the site and a non-compliance was issued due to housekeeping issues	An investigation was carried out and all necessary corrective actions were put in place to avoid reoccurrence of the issue.	No
	27th October 2010	The complaint was made by a member of the public regarding site litter	An investigation was carried out and measures were put in place to avoid reoccurrence of the issue.	No
Fly Activity	16th July 2010	The EPA inspected the site and a non-compliance was issued	An investigation was carried out and all necessary corrective actions were put in place to avoid reoccurrence of the issue.	No
Material Quality	13th January 2010	The complaint was made by the National TFS Office to Greyhound Recycling & Recovery Ltd regarding contamination of a 50 container consignment of paper which originated at the MRF	The container was returned to the MRF where an investigation into the quality issue was carried out. The material in the container was reworked before leaving the site. Additional picking staff were employed to remove greater amounts of plastic film.	Yes
	16th April 2010	The complaint was made by the National TFS Office to Greyhound Recycling & Recovery Ltd regarding contamination of an 18 container consignment of mixed paper that originated at the MRF	The container was returned to the MRF where an investigation into the quality issue was carried out. The material in the container was reworked before leaving the site. Additional quality control measures were put in place in an effort to avoid reoccurrence of the issue.	Yes

	2nd July 2010	The complaint was made by the National TFS Office to Greyhound Recycling & Recovery Ltd regarding contamination of one load of mixed paper that originated at the MRF	The container was returned to the MRF where an investigation into the quality issue was carried out. The material in the container was reworked before leaving the site.	No
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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

Guidance to completing the FRTI workbook

AER Returns Workbook

REFERENCE YEAR: 2010

1. FACILITY IDENTIFICATION

Parent Company Name	Dublin City Council
Facility Name	Baymount MRF (Meyrowell)
FRTI Identification Number	W0238
License Number	W0238-01

Waste or PPO Classes of Activity

No.	Class name
	Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)
4.2	Recycling prior to submission to any activity referred to in a preceding paragraph of this Schedule
3.12	Recycling 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
	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
4.13	Recycling or reclamation of metals and metal compounds
4.4	Recycling or reclamation of other inorganic materials
	Address 1: Merrymount Industrial Estate
	Address 2: Baymount Road Lower
	Address 3: Baymount
	Address 4: Dublin 12
	Country: Ireland
	Coordinates of Location: 53.9771 53.3145
	River Basin District: EEPA
	NACE Code: 2314
	Use Economic Activity: Manufacture of glass bottles
	AER Returns Contact Name: Ms. Clare Donnellan
	AER Returns Contact Email Address: clare.donnellan@dcycd.com
	AER Returns Contact Position: Environmental Officer
	AER Returns Contact Telephone Number: 01 4554500
	AER Returns Contact Mobile Phone Number: 097 4501531
	AER Returns Contact Fax Number: 72000 0
	Production Volume Units: tonnes
	Number of Installations: 2
	Number of Operating Hours in Year: 3940
	Number of Employees: 180
	User Feedback/Comments:
	Web Address:

2. PRTI CLASS ACTIVITIES

Activity Number	Activity Name
501	General
502	Installations for the disposal of non hazardous waste
503	General

3. SOLVENTS REGULATIONS (S.I. No. 543 of 2002)

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 code being used?	

SECTION A: SECTION SPECIFIC PFRB POLLUTANTS

POLLUTANT	RELEASES TO AIR		METHOD		QUANTITY			
	M/C/E	Method Code	Method Used	Description or Description	Emission Point 1	T (Total) kg/Year	A (Accidental) kg/Year	F (Fugitive) kg/Year
No. Annex B					0.0	0.0	0.0	0.0

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

SECTION B: REGULATING PFRB POLLUTANTS

POLLUTANT	RELEASES TO AIR		METHOD		QUANTITY			
	M/C/E	Method Code	Method Used	Description or Description	Emission Point 1	T (Total) kg/Year	A (Accidental) kg/Year	F (Fugitive) kg/Year
No. Annex B					0.0	0.0	0.0	0.0

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

SECTION C: REGULATING POLLUTANT EMISSIONS (As required by your Licence)

POLLUTANT	RELEASES TO AIR		METHOD		QUANTITY			
	M/C/E	Method Code	Method Used	Description or Description	Emission Point 1	T (Total) kg/Year	A (Accidental) kg/Year	F (Fugitive) kg/Year
Pollutant No					0.0	0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the data 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 stored gas (biogas) flared or utilized on their own site to account for the figures for total methane emissions reported in Section B. Summary specific EPRB indicators above. Please complete the table below

Landfill:	EARTHGAS USE (M3/year)		METHOD		QUANTITY			
	M/C/E	Method Code	Method Used	Description or Description	Emission Point 1	T (Total) kg/Year	A (Accidental) kg/Year	F (Fugitive) kg/Year
Total estimated methane generation (as per site model)					0.0	0.0	0.0	0.0
Methane flared					0.0	0.0	0.0	0.0
Methane utilized in engines					0.0	0.0	0.0	0.0
Net methane emissions (as reported in A above)					0.0	0.0	0.0	0.0

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

Facility Total Capacity m3

100%

0.0 (Total Flaring Capacity)

0.0 (Total Utilising Capacity)

N/A

4.2 RELEASES TO WATERS

[Link to previous years emissions data](#)

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

RELEASES TO WATERS	
POLLUTANT	
No. Annex II	Name

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

SECTION B : REMAINING PRTR POLLUTANTS

RELEASES TO WATERS	
POLLUTANT	
No. Annex II	Name

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

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

RELEASES TO WATERS	
POLLUTANT	
Pollutant No.	Name

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

Data on ambient monitoring of storm/surface water or groundwater, conducted as part of your licence requirements, should N

Please enter all quantities in this section in KGs

		Method Used		Emission Point 1	T (Total) KG/Year
M/C/E	Method Code	Designation or Description			
				0.0	0.0

) then click the delete button

Please enter all quantities in this section in KGs

		Method Used		Emission Point 1	T (Total) KG/Year
M/C/E	Method Code	Designation or Description			
				0.0	0.0

) then click the delete button

Please enter all quantities in this section in KGs

		Method Used		Emission Point 1	T (Total) KG/Year
M/C/E	Method Code	Designation or Description			
				0.0	0.0

) then click the delete button

OT be submitted under AER / PRTR Reporting as this only concerns Releases from your facility

QUANTITY	
A (Accidental) KG/Year	F (Fugitive) KG/Year
0.0	0.0

QUANTITY	
A (Accidental) KG/Year	F (Fugitive) KG/Year
0.0	0.0

QUANTITY	
A (Accidental) KG/Year	F (Fugitive) KG/Year
0.0	0.0

[Link to previous years emissions data](#)

4.3 RELEASES TO WASTEWATER OR SEWER

SECTION A - PRTS POLLUTANTS

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

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

4.4 RELEASES TO LAND

[Link to previous years emissions data](#)

SECTION A : PRTR POLLUTANTS

RELEASES TO LAND	
POLLUTANT	
No. Annex II	Name

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

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

RELEASES TO LAND	
POLLUTANT	
Pollutant No.	Name

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

METHOD			Please enter all quantities
METHOD			
M/C/E	Method Used		
	Method Code	Designation or Description	Emission Point 1
			0.0

) then click the delete button

METHOD			Please enter all quantities
METHOD			
M/C/E	Method Used		
	Method Code	Designation or Description	Emission Point 1
			0.0

) then click the delete button

n this section in KGs	
QUANTITY	
T (Total) KG/Year	A (Accidental) KG/Year
0.0	0.0

n this section in KGs	
QUANTITY	
T (Total) KG/Year	A (Accidental) KG/Year
0.0	0.0

5. ON-SITE TREATMENT & OFF-SITE TRANSFERS OF WASTE

Please enter all quantities on this sheet in Tonnes

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Licence/Permit No. of Host Treatment Facility THE WASTE NAME AND LICENCE/PERMIT No. of Receiver/Operator	Site Name - Address of Host Treatment Facility THE WASTE NAME AND LICENCE/PERMIT No. of Receiver/Operator	Name and License / Permit No. and Address of Final Receiver / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination (i.e. Final Recovery / Disposal Site) (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used					
Within the Country	15 02 02	Yes	1.92	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	D13	M	Weighted	Office in Ireland	Rila Environmental IHLW0192-01	Block 402 Greenogue Business Park, Rathcoole Co. Dublin, Ireland	Rila Environmental (W0192-01) Block 402 Greenogue Business Park, Rathcoole Co. Dublin, Ireland	Block 402 Greenogue Business Park, Rathcoole Co. Dublin, Ireland

Link to previous return years data

Link to previous years waste activity data & percentage change