

Waste Licensing

**Waste Transfer and Recycling Facility
Ballymount Cross, Tallaght
Dublin 24.**

**Annual Environmental Report
2007 – 2008**

Veolia Environmental Services (Ire) Ltd.

EPA Ref. No:	39-2
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Environmental Protection Agency
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VEOLIA ENVIRONMENTAL SERVICES (IRELAND) LTD
WASTE TRANSFER AND RECYCLING FACILITY
ANNUAL ENVIRONMENTAL REPORT

30th November 2007 – 31st December 2008

Prepared by:-

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National Environmental Manager

Veolia Environmental Services Ireland Ltd.
Ballymount Cross,
Tallaght,
Dublin 24

February, 2009

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1. INTRODUCTION

Veolia Environmental Services(Ireland) Ltd. (VES) holds a Waste Licence (Reg. No. 39-2) – issued 4th September 2000 - to operate a Waste Transfer and Recycling Facility at Ballymount Cross, Tallaght, Dublin 24. In accordance with the requirements of Condition 2.3 of this Waste Licence, an Annual Environmental Report (AER) for the facility must be submitted to the Environmental Protection Agency (EPA).

This AER, covers the reporting period 30th November 2007 – 31st December 2008.

The facility is located at: -

Veolia Environmental Services(Ireland) Ltd.,
Waste Transfer and Recycling Facility,
Ballymount Cross,
Tallaght,
Dublin 24

Tel. (01) 4136500

Fax: (01) 4136566

National Grid co-ordinates for the location of the facility are: E 3096 N 2304.

1.1. Veolia Environmental Services (Ireland) Ltd. Environmental Policy

Veolia Environmental Services (Ireland) Ltd. is fully committed to the operation of its facilities to the highest environmental standards and fully supports and adheres to this policy.

It is the policy of Veolia Environmental Services (Ireland) Ltd. to protect the local environment and to minimise the impact of the operation on the environment. To achieve this objective it is committed to:

- Adhering to all relevant environmental legislation and relevant statutory obligations that relate to its activities both on and off site;
- Ensuring that all operations carried out by the company are done in a manner which ensures that environmental protection is taken into account;
- Providing and maintaining site facilities that are designed, constructed, operated and maintained to encompass the principles of good environmental practice;
- Striving to achieve a continuous improvement in efficiency of operations and environmental performance;
- Striving to minimise the quantity of waste disposed of to landfill and increasing the amount of material recycled / recovered;
- Providing environmental information to the community and responding positively to queries or complaints;
- Providing adequate training to all employees on environmental awareness and resource management.

2. DESCRIPTION OF THE SITE

The VES Waste Transfer and Recycling facility is located at Ballymount Cross, Tallaght, Dublin 24, within an area zoned for industrial development. Within the industrial estate, the facility is surrounded by various warehouses and industrial buildings and is adjacent to the Ballymount Road on its southeastern boundary.

The predominant activity occurring at the facility is the acceptance and bulk loading of commercial, industrial and municipal waste for transfer to a number of disposal facilities, including Balleally Landfill, Whiteriver Landfill, Rampere Landfill,, and Ballynagran Landfill. In addition, significant volumes of recyclable materials (cardboard, paper, timber, plastic and metal) are recovered from the waste streams and sent to recovery operators for further processing.

The licensed waste handling activities, permitted under the *Third and Fourth Schedule of the Waste Management Act (1996)*, in the Waste Licence (39-2) are as detailed below;

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

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 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.

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

Fourth Schedule, Class 3. Recycling or reclamation of metals and metal compounds.

Fourth Schedule, Class 4. Recycling or reclamation of other inorganic materials.

Fourth 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.

It is considered that the activities carried out at the facility do not have an adversely significant impact upon local environmental conditions, due to the enclosed nature of the facility and its operations.

In turn, local environmental conditions do not significantly influence the facility. Rainfall records for the area indicated an annual rainfall of 941.7 (approximately 30% more than the previous reporting period). The surface water drainage system is designed with an adequate capacity for high rainfall events at the site. Prevailing winds are from a south-westerly direction.

There are 73 people employed on a full-time basis at the Ballymount facility.

3. MONITORING AND EMISSIONS SUMMARY

Environmental monitoring results for the reporting period are outlined in subsequent sections. An interpretation of the results and impacts on the environment are also presented.

3.1 Emissions to Surface Water

Site emissions to Surface Water are addressed in *Condition 9.1* and subsequently *Schedule E* of the Waste Licence. The Licence requires that emissions to Surface Water be monitored monthly. The samples are analysed for levels of pH, Conductivity, Total Suspended Solids (TSS), Chemical Oxygen Demand (COD), Biochemical Oxygen Demand (BOD) and Oils, Fats, Grease (OFG). All sampling is carried out by trained VES personnel and analysis is carried out by Bord na Mona Ltd (INAB accredited).

A summary of the monthly Surface Water results for the reporting period are given in **Table 3.1** below and results exceeding the ELV's are highlighted. Specific Emission Limit Values (ELV's) are set out in Schedule F.3 of Waste Licence 39-2 and are listed along with the results in Table 3.1. Copies of the certified results are retained on-site in the relevant reports.

Table 3.1 Emissions to Surface Water, SW1.

Monitoring Point SW1	pH	Cond. (µS/cm)	Temp (°C)	OFG's (mg/l)	TSS (mg/l)	BOD (mg/l)	COD (mg/l)
Emission Limit Values EPA 39-2	6 - 10	N/A	N/A	10	30	20	N/A
December 2007	7.7	187	NA	10	25	12	44
January 2008	7.9	182	NA	1	35	<2	20
February 2008	7.3	235	NA	19	10	13	30
March 2008	7.2	252	NA	24	13	36	66
June 2008	7.7	na	NA	<1	5	<2	28
July 2008	7.9	612	NA	35	10	4	38
August 2008	7.4	31	NA	10	51	<2	18
October 2008	7.0	na	NA	1	16	7	31
November 2008	7.3	200	NA	7	9	12	52
December 2008	7.4	283	NA	<1	<5	16	48

* Due to insufficient rainfall, no samples were collected in April, May and September

Interpretation of Surface Water Emissions.

In the Environmental Report for 2005 – 2006, it was established that exceedances observed in the sampling events may also be as a result of the Class 1 interceptor on-site not being able to deal with the combination of elevated suspended solids, BOD and OFG's present in the surface water run-off from the busy drive through areas of the site. The interceptor in place is a full retention Class I interceptor, however, its ability to remove suspended solids is limited. To this end VES has been in discussion with the company's consultants (Golders & Associates) to determine an adequate solution to ensure that the surface water emissions comply with the ELV's for the site.

On the advice of Golders, trials were carried with an in-situ 'Downstream Defender' in late 2008 and these have provided data indicating that the installation of a permanent 'Downstream Defender' could provide an effective solution in collecting solids and OFG's and thereby reduce emissions. During 2008 a portion of the remaining hardcore surface of the yard was also concreted and it is planned to concrete the remaining hardcore area.

3.2 Emissions to Foul Sewer

Condition 9.1 of VES's Waste Licence specifies that emissions to Foul Sewer be monitored every two months. VES's emissions to Foul Sewer originate from the following sources:

- Wastewater from the truckwash area passes through a grit trap and oil interceptor and is then directed to Foul Sewer,
- the run-off from the diesel filling area passes through a separate oil interceptor to Foul Sewer and,
- the run-off from the ramp area and the hardstanding area to the front of the transfer building is pumped to Foul Sewer.

The samples collected are analysed for levels of pH, temperature, Total Suspended Solids (TSS), Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD), detergents (MBAS), and oils, fats & greases (OFG's). Trained Veolia personnel carry out the sampling and analysis is conducted by Bord na Mona Ltd (INAB accredited). A summary of the results is given in Table 3.2 below.

Table 3.2 Emissions to Foul Sewer, FS1.

<i>Monitoring Point FS1</i>	<i>pH</i>	<i>Temp (°C)</i>	<i>TSS (mg/l)</i>	<i>OFG's (mg/l)</i>	<i>MBAS (mg/l)</i>	<i>BOD (mg/l)</i>	<i>COD (mg/L)</i>
Emission Limit Value							
Grab	6 – 10	42(Max)	1000	100	100	2000	4000
Continuous	N/A	N/A	800	100	100	1500	3000
February 2008	7.6	ND	73	<1	.14	124	262
May 2008	7.3	ND	40	30	.31	71	194
July 2008	7.3	ND	584	3	.45	231	745
August 2008	7.7	ND	29	6	ND	19	65
October 2008	7.7	ND	132	5	.07	124	265
December 2008	8.8	nd	51	<1	0.54	74	198

Note: All samples collected were grab samples.

Samples were only collected .when there was a good flow in the sampling location

Interpretation of Foul Sewer emissions.

As can be seen from the results above, the Emission Limit Values, as set out in Schedule F.1 of the Waste Licence, were compliant on all occasions. It is the intention of VES to request the Agency that an alternative sampling location is used for taking samples.

Flow to Foul Sewer

The flow to Foul Sewer was calculated and monitored daily. These calculations were based upon the daily water usage, and the volume of rainfall collecting in the foul sewer system on site. These flow values are detailed in Appendix 2. The maximum permissible flows were exceeded on eleven occasions, as follows:

Date	Total Flow to Foul Sewer (m³ / Day)
30/3/08	22.1
18/06/08	23.1
21/06/08	23.5
26/06/08	20.7
5/07/08	35
6/08/08	41
9/08/08	49
12/08/08	21.1
16/08/08	33.8
5/09/08	51.6
14/10/08	25.3

The flow volume exceedences were in the main due to exceptional rainfall events

3.3 Noise

As specified in Schedule E.3 of Waste Licence 39-2, noise monitoring is carried out annually at 3 boundary locations (B1, B2 & B3) and one noise sensitive location (NS1) around the Ballymount site. The results of the monitoring survey carried out on the 29th of October and the 3rd November 2008 are presented below in Table 3.3..

Octave band analysis was also carried out to determine whether tonal or impulsive noise components existed as a result of the on-site activities.

Table 3.3 Noise Monitoring Results Summary

Location	Point Location Ref.	Sound Pressure dB(A)					
		$L(A)_{EQ}$		$L(A)_{10}$		$L(A)_{90}$	
		Daytime	Night-time	Daytime	Night-time	Daytime	Night-time
B1	Boundary	66.9	49.9	69.4	52	55.1	46.2
B2	Boundary	71.3	50.2	74.7	51	59.7	47.7
B3	Boundary	65	56.4	67	60.6	59.4	44.8
NS1	Nearest Noise Sensitive Location	74.8	69.8	77.9	74.5	66.1	48.4

The Emission Limit Values specified in the Waste Licence 39-2, Schedule F.4 are 55dB(A) for daytime and 45dB(A) for night-time activities. Furthermore, there should be no clearly audible components or impulsive components in the noise emanating from the activity at the facility boundary.

Interpretation of Noise Results.

The results of the noise measurements carried out show that the site is located in a high noise environment. Traffic noise during both rounds of monitoring was a significant source of noise at all of the measurement locations.

The environmental noise assessment carried out at the site examined the background noise in the region and the noise generated by the waste acceptance work on the site. The following conclusions have been reached;

- The site is located in a high noise area, where traffic noise dominates.

- The nearest noise sensitive location (NS1) is subject to significant traffic noise from the Ballymount Road Upper and this over rides any noise impact from the facility.
- The measurement locations located in the transfer station yard and close to the transfer station building are most affected by the works on-site. The most impacted on-site location was B2 which was the closest to the area where waste is accepted at the transfer building.
- The daytime noise limit $L(A)_{EQ}$ of 55dB was exceeded at all locations. The soundscape in and around the Veolia site during the monitoring period was dominated by noise from vehicles travelling along Ballymount road. This is supported by the higher $L(A)_{10}$ readings.
- The nighttime noise limit $L(A)_{EQ}$ of 45dB was exceeded at all locations. As there was no activity on the Veolia site, the site did not contribute in any fashion to the nighttime noise readings. The soundscape at and around the Veolia site at night was dominated by traffic on the Ballymount road derived noise.

3.4 Air Quality and Climate

To determine the impact of site operations on the surrounding environment, dust levels for the facility were monitored three times, at four locations during 2007. Results of these monitoring surveys are presented in **Table 3.4** below.

Table 3.4 Dust Monitoring Results

Monitoring Location	August/September Results (mg/m ² /day)	June/July Results (mg/m ² /day)	February/March Results (mg/m ² /day)	Waste-Licence 39-2 limit mg/m ² /day
D1B	108	59	86	350
D2	340	*	643	350
D3	133	253	328	350
D4	211	172	143	350

* Jar containing sample from D2 dropped

Interpretation of Air Quality Results.

The result for D2 for the period February to March exceeded the limit. The importance of maintaining good housekeeping is continuously re-enforced

No dust or odour complaints were received during the 12 month period.

4. SITE DEVELOPMENT WORKS

The site development works carried out during the reporting period and scheduled for the coming year are summarised in Tables 4.1 & 4.2 below:

Table 4.1 Site Development Works during reporting period.

<i>Licence Requirement</i>	<i>Status</i>
Colour coding of all gullies, manhole covers and drainage grids. Labelling of all interceptors and sediment traps	Repeated every 3 –4 months
Introduction of Bird Scaring system at Transfer Station	Installed in March 2008
Concreting of hardcore area	Partially completed April 2008

Table 4.2 Site Development Works proposed for coming year.

<i>Licence Requirement</i>	<i>Status</i>
Colour coding of all gullies, manhole covers and drainage grids. Labelling of all interceptors and sediment traps	Repeated as required
Concreting of final hardcore area on-site	To be completed by year end 2009
Implementation of engineered solution to control surface water emissions and ensure that ELV's are not exceeded. Details of proposal have been submitted to the Agency.	To be completed by year end 2009

5. TONNAGES

VES supplies, on an annual basis, tonnage reports for the facility to the EPA, as part of the National Waste Survey in February of each year. An edited version of this report is attached in Appendix 1 and the volumes shown cover the twelve (12) month period from January 2008 through the end of December 2008.

6. ENVIRONMENTAL INCIDENTS AND COMPLAINTS

6.1 Environmental Incidents.

Conditions 3.1 and 3.2 of Waste Licence 39-2 require that the licensee shall make written records of any environmental incidents. Outside of flow to foul sewer (see section 3.2) and a dust exceedance (see section 3.4) a total of 5 incidents were recorded during the reporting period and a summary of these is presented in Table 6.1..

Table 6.1 Recordable Incidents during the Reporting Year

	<i>Date of Incident</i>	<i>Nature and ELV Exceedance</i>
1	18th January 2008	TSS level exceeded ELV for SW sample.
2	29th February 2008	OFG level exceeded ELV for SW sample.
3	28th March 2008	BOD, and OFG levels exceeded ELV for SW sample.
4	9th July 2008	OFG levels exceeded ELV for SW sample.
5	5th August 2008	TSS level exceeded ELV for SW sample

BOD – Biochemical Oxygen Demand; ELV – Emission Limit Value; FS – Foul Sewer;
OFG's – Oil, Fats & Greases; SW –Surface Water; TSS – Total Suspended Solids

6.2 Complaints Summary

All complaints received at the facility are acknowledged, replied to verbally and/ or in writing and recorded in the Complaints file on-site.

No external complaints were recorded in the year 2008.

7. Environmental Management Program- Objectives and Targets

7.1 Environmental Management Program

The Environmental Management System (EMS) in Veolia is certified to ISO 14001;2004 and the Environmental Management Program is an integral part of the EMS.

7.1.1 Achievement of Environmental Objectives and Target - 2007/8

A detailed schedule of Environmental Objectives & Targets for the reporting period is presented in **Table 7.1** below, along with VES's progress in achieving these objectives. Due to the challenges of the business circumstances in 2008, dates have been extended or Objectives have been cancelled in some instances .

7.1.2 Schedule of Environmental Objectives and Targets - 2009

A detailed schedule of Environmental Objectives & Targets for 2009 is presented in **Table 7.2** along with Management responsibility for achieving theses objectives.

Table 7.1 Environmental Objectives and Targets 2008

No.	Description	Target	Responsibility	Timescale	Status
1	To achieve ongoing compliance with SW and FW ELV's.	<ol style="list-style-type: none"> 1. Review drainage proposal from Golders 2. Obtain agreement from SDCC on proposal 3. Implement project in Yard 4. Monitor performance- wrt Objective #2 	PM/KM/PF	Aug '08	Significant progress made. Trials with engineering installation took longer than predicted and is now completed .Roadmap for achieving target is now in place.
2.	Maintain Compliance on all VES sites	Zero non compliances; <ol style="list-style-type: none"> 1. Complete regulatory reporting as directed by environmental calendar 2. Close out NCr's within 30 days 	PM/CMcP/GW	Dec.'08	Non- compliances recorded but Significant progress made on all sites wrt 2007
3	Develop Environmental program for Commercial staff	<ol style="list-style-type: none"> 1. Develop and deliver Environmental training program suitable for all Sales people 	PM/KM	July'08	Complete – Training programm delivered in 2008
4	Ensure VES have adequate Internal auditing resource	<ol style="list-style-type: none"> 1. Train 2 Internal auditors 	HR	Dec'08	Complete – 2 new Environmental auditors trained.
5	Continue program to reduce reliance on Landfill	<ol style="list-style-type: none"> 1. Implement SRF project in Newry 2. Increase recycling figures to 34KT.(> 37% of total Tonnage) 	KM/PF/ES	Dec'08	
6	Provide active Support to Climate Change policy	<ol style="list-style-type: none"> 1. Internal awareness program on Energy saving/Climate change 2. Calculate VES CO2 emissions 3. Carry out energy audit – target 5% reduction in Site energy usage. 	PM/SD/PF	Dec.'08	No Action

Table 7.2 Environmental Objectives and Targets 2009

No.	Description	Target	Responsibility	Timescale
1	To achieve ongoing compliance with SW and FW E LV's.	<ol style="list-style-type: none"> 1. Carry out full drainage network model 2. Install Downstream Defenders 3. Concrete remaining hardcore area 	PM/KM/PF	December '09
2.	Maintain Compliance on all VES sites	<ol style="list-style-type: none"> 1. Receive no penalties for breach of relevant Environmental legislation 2. Continue to strive for Zero non compliances - all site inspections and assessments 	PM/GW	Dec.'09
3	Continue program to reduce reliance on Landfill	<ol style="list-style-type: none"> 1. Implement SRF project in Newry 2. Increase recycling figures to 34KT.(> 37% of total Tonnage) 	KM/PF/ES	
4.	Reduce Energy and Paper consumption	<ul style="list-style-type: none"> • 10% reduction • improved monitoring and staff awareness. • Energy audit –sensors/bulbs 	PM/ML	Dec 09
5	Support Environmental awareness	<ul style="list-style-type: none"> • Notice board • Computer in canteen • World Environmental Day -5/6/2009 	PM	Dec 2009

7.2 Waste transfer and Recycling Station Documented Procedures

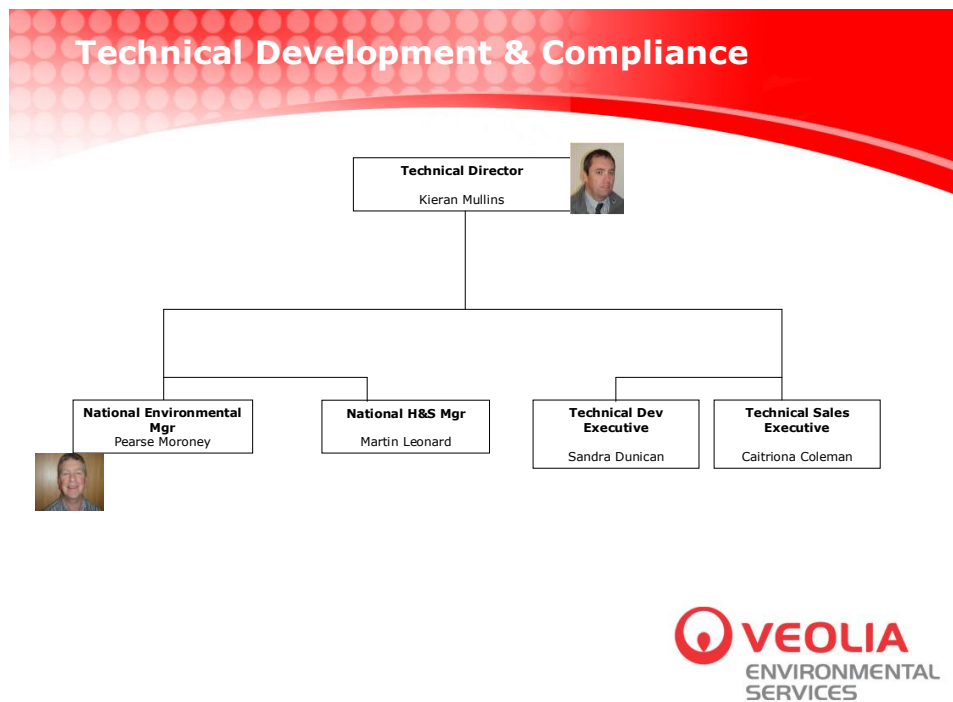
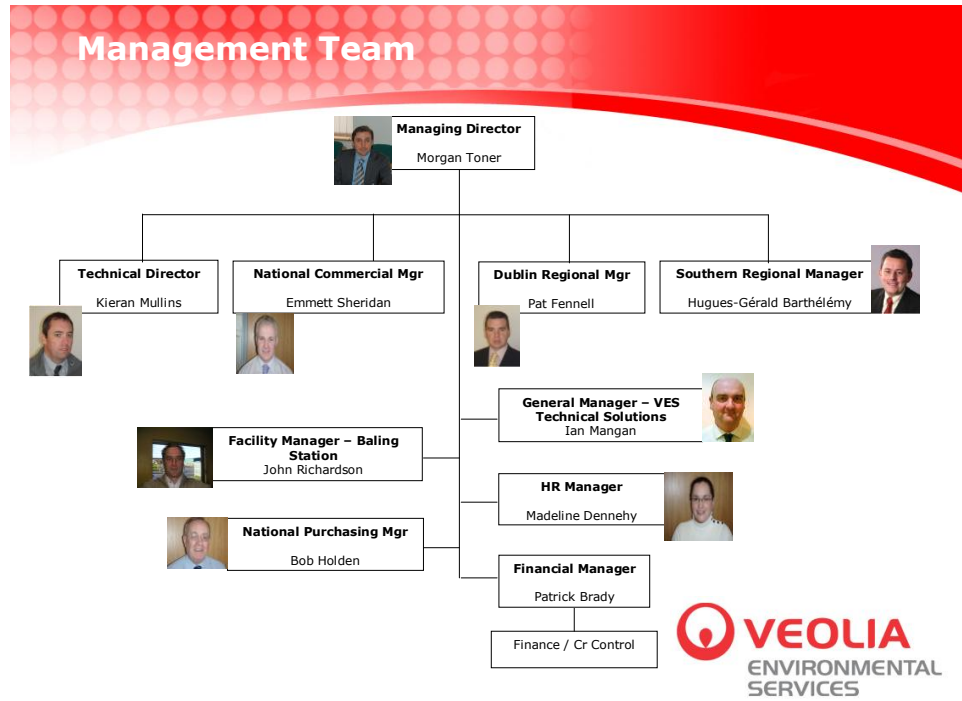
VES operate Quality and Environmental Management Systems certified to ISO9001:2000 and ISO14001:2004 respectively. A full copy of the Quality and Environmental management system documentation is retained on-site and available for view. Standard Operating Procedures are reviewed, at a minimum, annually.

7.3 Management and Staffing Structure

The organisational structure of the facility is shown in Figure 7.1. A re-organisation is currently being undertaken by the Company and some positions shown will be made redundant. A new Organogram will be provided in the EMP and each of the positions identified in the revised Organogram will be discussed in detail in Section 10 of the EMP for the year. Details of the relevant experience and qualifications for each person named, as well as arrangements for their absence in the case of annual leave, illness and other incidents, are maintained in the facility office and have also been forwarded to the Agency as required by Condition 2.2.1.

A file containing training records for each employee is also maintained in the facility office.

Figure 7.1 Management and Staffing Structure for Ballymount



Dublin

7.4 Financial Provisions

In November 2003, VES commissioned RPS McHugh Planning & Environment (RPS) to review the Environmental Liabilities Risk Assessment and associated proposal for financial provision. A copy of this report was forwarded to the Agency on 26th January 2004. The review concluded that the low risk status of the environmental liabilities associated with Veolia Environmental Services Ltd. site activities remained in effect and that a preliminary environmental liabilities pollution cover of **€95,200** (excluding VAT) (in the form of bonding, financial allocation or an insurance premium) will guarantee that the liabilities arising from any environmental accident occurring during the operational phase of the site, along with the decommissioning and closure of the waste transfer facility are financially provided for.

A review of ELRA was completed in June 2006 by Fehily Timoney & Co. and this report confirmed the previous reports with a recommended cover set at €100,000.

7 TANK AND BUND TESTING

Condition 4.4 of the Waste Licence 39-2 requires that tank and bund testing be carried out at least once every three years. Testing was carried out in 2008 and will be repeated in 2011. A copy of the test report has been forwarded to the agency in November 2008.

Portable bunds are located at various locations throughout the facility to accommodate smaller barrels and drums, a standby generator and the Waste Quarantine Area.

8 RESOURCE CONSUMPTION SUMMARY

Resources consumed at the facility include gas, electricity, diesel fuel, hydraulic oil, water and cleaning agents/disinfectants/odour control solutions. The main consumption of resources at the facility is for:

- Heating, lighting and power in the Transfer Station and office buildings;
- Power to facility equipment such as Baling and ancillary equipment, weighbridge, Odour Control System; and
- Fuel to power waste collection vehicles and vehicles operating on-site.

Energy and resource consumption at the facility in 2008 may be summarised as follows:

- Hydraulic Oil 900 litres per annum
 - Gas 43,813 KWh/ annum
 - Electricity 444,259 KWh /annum
 - Truckwash Cleaning Agents 750 Kg per annum
 - Odour Neutraliser 1,200Kg
 - Water 624.7 m³
 - Diesel Fuel 569,958 Total litres per annum
(= 560,130 litres Waste Collection Vehicles + 9,828 litres On-site vehicles)
-

10. PUBLIC INFORMATION & COMMUNICATIONS PROGRAMME

A programme for communicating information to the public is in place at VES Ireland Ltd. During this reporting period there were no requests from members of the public to inspect any of the records and files listed in the submission.

The list of documents available for inspection includes the following:

- Audit reports
- Communication Records
- Communications Folder
- Complaints Register
- Consultants CV's
- Corrective Action Records
- Current Waste Licence (Ref. 39-2) (& Previous Waste Licence (Ref. 39-1))
- Daily transactions for incoming and outgoing vehicles
- Emergency Response Procedure
- Environmental Management Programme
- Environmental Monitoring Results
- Environmental Procedures
- Facility Inspection Reports
- General Housekeeping Reports
- VES Safety Statement
- Maintenance Records for all machinery
- Material Safety Data Sheets
- Non-Compliance Records
- Pest/Vermin Control Records
- Recycling Information
- Storm and Foul Sewer line Inspection Reports
- Tonnage Records
- Training Records
- Unacceptable Waste Records
- Waste Licences/ Permits of facilities used by VES
- Waste Collection Permits held by VES

- Waste Collection Permits for companies transporting waste on behalf of VES

Members of the public who wish to inspect these files may do so at any reasonable time by making an appointment either with the Dublin Regional Manager or Environmental Manager. The contact number is posted on the main facility entrance sign erected in accordance with Condition 4.2 of the Waste Licence.

The appropriate personnel are as follows:

Mr. Pat Fennell ,
Dublin Regional Manager

Pearse Moroney
National Environmental Manager

In addition to the information which is available for public scrutiny, VES Ireland Ltd. also employs a Communications Manager, whose sole function is to communicate to customers and other interested stakeholders, on environmental issues.

APPENDIX 1

Tonnage Reports

Appendix 1 Material removal destinations from Veolia Environmental Services Ltd. Ballymount depot
 Period: January 2008 through December 2008

EWC code no.	Description	Tonnes	Total Tonnes	Destination
191201	Cardboard/Paper Bales	5.74		Smurfitt
191201		6.9		Irish Packaging & Recyclables
150101		1994.55		Irish Packaging & Recyclables
150101		18.4		Smurfitt
150101		6771.1		VPRL,France
150101		622.64		Failand
150101		464.2		Georgia Pacific(Harmon Int)
150101		202.8		American Chung nam
150101		341.8		Parry&Evans
150101		2296.6		Puete paper
150101		6270.4		FBI Ltd (UK cardboard)
150101		114.6		VES Newry
	Total		19109.73	
170107	Mixed C&D		2114.4	Marakesh landfill,Co Wicklow
200301	MMW	8709.8		Baling Station,Ballymount
		21.3		VES Limerick
		14347.9		BordnaMona Landfill,Kildare
		4944		Greenstar Ballynagran landfill
		1723.4		KTK landfill
		7223.9		Whiteriver landfill,Louth
		2722.48		Rampere landfill,wicklow
200301	Total		39692.78	
150104	Metal packaging	1242.7		
200140	Mixed Metal	3.06		
	Total		1245.76	Multimetals,Kilcock
200140	Metal		3.86	Cummins
191212	Mixed recyclables	537.3		Irish Packaging & Recyclables
	Mixed recyclables	1472.6		VES Newry
	Mixed recyclables	176.12		VES Limerick
191212	Total		2186.02	
150101	Paper confidential		36.98	VES Newry
200136	Electronic goods		0.08	Irish Lamp
200121	Tubes		0.38	Irish Lamp
160103	EL Tyres		4.96	Crumb rubber
150102	Plastic		126.3	VES Newry
150102	Plastic - bottles			
191204	Plastic - bales			
	Total		1386.8	Greenway
150102	Plastic - bales		26.4	Thorndale
150103	Timber	29		Panda
	Timber	2830.62		PDM Naas
	Timber	146.1		Urban Forest
191207			3005.72	
150103	Timber	15.58		CHEP
150103	Timber	778.3		CJSheerans
150103			793.88	
191212	MDR		9767.8	TRF - Panda Walkinstown
170107	C&D		147.72	TRF - Panda Slane
200301	MMW		15231.3	TRF - Panda Slane

Total

94880.87

Appendix 1 Direct Transfers

EWC Code	Weight Kgs	Destination
70512	7120	AVR
70512	261260	
200301	9000	BALLEALLY Landfill - deepburial
200301	420260	
200301	120360	ENRICH ENVOIRNMENTAL LTD
150107	334000	GLASSCO RECYCLING
191205	574710	
191207	20360	GREEN CLEAN
200140	3700	
200301	2500	
200301	653680	
60314	117640	KNOCKHARLEY DIRECT
200301	1936210	LOUTH Co Council (Deep Burial)
170107	64100	PANDA Finglas
191207	4740	
200140	16220	
200301	7020	
200301	465800	
170802	53700	RECYCLEWORKS
200301	314860	SUPERDRAIN
200301	13240	
200301	77350.64	THORNTON RECYCLING
200136	6520	WEE TECH REC
200136	4007038	
200136	17710	
150102	622290	WEE TECH REC GREENOGUE
150102	10840	A1 WASTE DISPOSAL
150103	120940	
150105	131180	
191204	24420	
200140	2670	CUMMINS METAL
60314	725100	KTK Landfill
200301	227380	LOUTH County Council LANDFILL
150107	14420	REHAB RECYCLING
191205	12840	
	11,401,178.64	Grand Total

Appendix 1 Material Intake
 Veolia Environmental Services Ltd. Ballymount
 Period: January 2008 through December 2008

EWC code no.	Description	Tonnes
150101	Cardboard	12.52
61304	Filter cake	1.74
101114	Glass grind sludge	4.14
150103	Timber	969.3
150104	metallic packaging	10.04
200108	Compostable waste	79.18
160103	EL tyres	0.46
170107	Mixed C&D waste	1845
191201	Cardboard/Paper	22001.96
150102	Plastic	93.12
150107	glass	271.59
200138	Timber	1810.6
200301	MDR	11273
200101	Cardboard	13.86
200136	WEE	866.97
200140	Metals	684
200301	MMW	55,285
	Total	95204.08

APPENDIX 2

Flow to Foul Sewer

VES Ballymount 2008

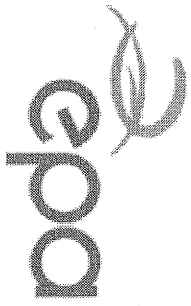
Date	Volume flow m3	Date	Volume flow m3	Date	Volume flow m3
01/01/2008	2.39	17/02/2008	2.25	04/04/2008	1.78
02/01/2008	2.59	18/02/2008	2.17	05/04/2008	2.69
03/01/2008	3.86	19/02/2008	2.05	06/04/2008	0.25
04/01/2008	5.58	20/02/2008	0.89	07/04/2008	5.09
05/01/2008	3.07	21/02/2008	1.01	08/04/2008	2.41
06/01/2008	4.16	22/02/2008	1.22	09/04/2008	4.18
07/01/2008	3.07	23/02/2008	0.90	10/04/2008	6.04
08/01/2008	15.08	24/02/2008	3.00	11/04/2008	9.18
09/01/2008	14.26	25/02/2008	1.65	12/04/2008	15.13
10/01/2008	17.18	26/02/2008	1.16	13/04/2008	1.75
11/01/2008	2.51	27/02/2008	0.91	14/04/2008	5.38
12/01/2008	5.15	28/02/2008	0.89	15/04/2008	4.55
13/01/2008	7.60	29/02/2008	5.41	16/04/2008	2.08
14/01/2008	4.00	01/03/2008	1.86	17/04/2008	2.78
15/01/2008	2.81	02/03/2008	0.38	18/04/2008	2.74
16/01/2008	2.08	03/03/2008	2.11	19/04/2008	3.83
17/01/2008	14.48	04/03/2008	0.81	20/04/2008	2.25
18/01/2008	12.01	05/03/2008	0.77	21/04/2008	1.57
19/01/2008	16.49	06/03/2008	1.55	22/04/2008	3.08
20/01/2008	7.01	07/03/2008	6.47	23/04/2008	1.65
21/01/2008	8.23	08/03/2008	2.20	24/04/2008	3.45
22/01/2008	4.45	09/03/2008	0.25	25/04/2008	1.28
23/01/2008	6.20	10/03/2008	13.46	26/04/2008	1.10
24/01/2008	3.39	11/03/2008	3.76	27/04/2008	1.25
25/01/2008	1.99	12/03/2008	3.03	28/04/2008	0.76
26/01/2008	2.00	13/03/2008	3.56	29/04/2008	0.81
27/01/2008	0.00	14/03/2008	0.80	30/04/2008	0.68
28/01/2008	2.12	15/03/2008	14.19	01/05/2008	1.26
29/01/2008	9.00	16/03/2008	9.25	02/05/2008	1.29
30/01/2008	2.00	17/03/2008	0.50	03/05/2008	3.13
31/01/2008	7.25	18/03/2008	0.93	04/05/2008	0.25
01/02/2008	2.98	19/03/2008	0.69	05/05/2008	0.00
02/02/2008	0.00	20/03/2008	3.51	06/05/2008	1.22
03/02/2008	6.75	21/03/2008	3.54	07/05/2008	1.44
04/02/2008	2.23	22/03/2008	0.77	08/05/2008	1.24
05/02/2008	5.47	23/03/2008	0.75	09/05/2008	1.27
06/02/2008	3.82	24/03/2008	0.50	10/05/2008	7.52
07/02/2008	1.88	25/03/2008	2.22	11/05/2008	0.00
08/02/2008	0.13	26/03/2008	4.09	12/05/2008	1.03
09/02/2008	0.00	27/03/2008	2.23	13/05/2008	1.24
10/02/2008	2.88	28/03/2008	3.06	14/05/2008	1.04
11/02/2008	2.32	29/03/2008	5.86	15/05/2008	1.11
12/02/2008	1.79	30/03/2008	22.13	16/05/2008	1.16
13/02/2008	1.68	31/03/2008	13.29	17/05/2008	1.06
14/02/2008	1.84	01/04/2008	2.15	18/05/2008	3.50
15/02/2008	0.00	02/04/2008	1.16	19/05/2008	1.18
16/02/2008	0.00	03/04/2008	0.91	20/05/2008	7.37

VES Ballymount 2008

Date	Volume flow m3	Date	Volume flow m3	Date	Volume flow m3
21/05/2008	3.96	09/07/2008	3.93	27/08/2008	2.05
22/05/2008	12.00	10/07/2008	14.74	28/08/2008	1.99
23/05/2008	1.11	11/07/2008	2.24	29/08/2008	2.23
24/05/2008	1.12	12/07/2008	0.38	30/08/2008	0.00
25/05/2008	0.75	13/07/2008	0.00	31/08/2008	0.00
26/05/2008	5.28	14/07/2008	2.61	01/09/2008	8.07
27/05/2008	17.96	15/07/2008	2.91	02/09/2008	11.60
28/05/2008	2.03	16/07/2008	2.41	03/09/2008	14.38
29/05/2008	1.55	17/07/2008	4.10	04/09/2008	2.30
30/05/2008	1.34	18/07/2008	2.32	05/09/2008	51.60
31/05/2008	1.46	19/07/2008	0.38	06/09/2008	10.66
01/06/2008	0.00	20/07/2008	0.00	07/09/2008	0.00
02/06/2008	0.00	21/07/2008	2.22	08/09/2008	1.41
03/06/2008	2.14	22/07/2008	1.50	09/09/2008	8.43
04/06/2008	4.59	23/07/2008	1.98	10/09/2008	4.68
05/06/2008	3.17	24/07/2008	3.40	11/09/2008	7.52
06/06/2008	1.82	25/07/2008	4.09	12/09/2008	14.06
07/06/2008	1.05	26/07/2008	0.00	13/09/2008	1.09
08/06/2008	1.23	27/07/2008	0.00	14/09/2008	11.88
09/06/2008	1.72	28/07/2008	9.08	15/09/2008	3.09
10/06/2008	1.14	29/07/2008	15.14	16/09/2008	4.14
11/06/2008	5.22	30/07/2008	14.86	17/09/2008	1.21
12/06/2008	1.13	31/07/2008	9.72	18/09/2008	2.31
13/06/2008	1.36	01/08/2008	11.52	19/09/2008	2.24
14/06/2008	4.19	02/08/2008	2.22	20/09/2008	2.43
15/06/2008	0.25	03/08/2008	3.25	21/09/2008	0.00
16/06/2008	0.97	04/08/2008	1.11	22/09/2008	1.34
17/06/2008	15.07	05/08/2008	9.46	23/09/2008	2.45
18/06/2008	23.10	06/08/2008	41.06	24/09/2008	3.32
19/06/2008	2.35	07/08/2008	1.16	25/09/2008	2.12
20/06/2008	1.89	08/08/2008	1.79	26/09/2008	1.11
21/06/2008	23.50	09/08/2008	49.00	27/09/2008	1.79
22/06/2008	6.36	10/08/2008	1.88	28/09/2008	0.00
23/06/2008	2.45	11/08/2008	15.00	29/09/2008	2.96
24/06/2008	5.06	12/08/2008	21.06	30/09/2008	8.33
25/06/2008	2.24	13/08/2008	3.79	01/10/2008	5.07
26/06/2008	20.72	14/08/2008	2.00	02/10/2008	2.02
27/06/2008	2.46	15/08/2008	2.10	03/10/2008	1.42
28/06/2008	2.44	16/08/2008	33.78	04/10/2008	19.94
29/06/2008	4.15	17/08/2008	2.13	05/10/2008	8.75
30/06/2008	1.85	18/08/2008	7.96	06/10/2008	2.67
01/07/2008	3.73	19/08/2008	9.66	07/10/2008	18.25
02/07/2008	7.31	20/08/2008	2.00	08/10/2008	2.19
03/07/2008	13.18	21/08/2008	2.14	09/10/2008	3.23
04/07/2008	2.31	22/08/2008	2.55	10/10/2008	15.29
05/07/2008	35.00	23/08/2008	3.50	11/10/2008	2.21
06/07/2008	15.13	24/08/2008	0.00	12/10/2008	0.00
07/07/2008	3.14	25/08/2008	3.40	13/10/2008	2.12
08/07/2008	3.12	26/08/2008	2.25	14/10/2008	25.30

VES Ballymount 2008

Date	Volume flow m3	Date	Volume flow m3	Date	Volume flow m3
15/10/2008	3.37	03/12/2008	6.78		
16/10/2008	1.33	04/12/2008	17.78		
17/10/2008	2.13	05/12/2008	3.15		
18/10/2008	2.46	06/12/2008	2.04		
19/10/2008	0.38	07/12/2008	0.00		
20/10/2008	7.63	08/12/2008	7.30		
21/10/2008	2.58	09/12/2008	2.00		
22/10/2008	3.12	10/12/2008	2.28		
23/10/2008	13.52	11/12/2008	6.64		
24/10/2008	2.68	12/12/2008	18.64		
25/10/2008	17.44	13/12/2008	1.41		
26/10/2008	2.75	14/12/2008	0.00		
27/10/2008	3.80	15/12/2008	1.08		
28/10/2008	3.30	16/12/2008	4.50		
29/10/2008	14.29	17/12/2008	3.03		
30/10/2008	14.47	18/12/2008	6.26		
31/10/2008	4.27	19/12/2008	5.51		
01/11/2008	9.49	20/12/2008	7.73		
02/11/2008	0.00	21/12/2008	6.00		
03/11/2008	3.63	22/12/2008	4.29		
04/11/2008	4.23	23/12/2008	2.76		
05/11/2008	4.74	24/12/2008	3.76		
06/11/2008	5.09	25/12/2008	0.00		
07/11/2008	8.82	26/12/2008	0.00		
08/11/2008	19.98	27/12/2008	4.88		
09/11/2008	5.50	28/12/2008	0.00		
10/11/2008	4.89	29/12/2008	3.76		
11/11/2008	6.42	30/12/2008	3.88		
12/11/2008	3.56	31/12/2008	3.83		
13/11/2008	11.09				
14/11/2008	2.93	Total	1801.84		
15/11/2008	2.51				
16/11/2008	5.00				
17/11/2008	3.66				
18/11/2008	2.96				
19/11/2008	3.10				
20/11/2008	3.38				
21/11/2008	3.60				
22/11/2008	3.03				
23/11/2008	5.50				
24/11/2008	9.27				
25/11/2008	3.39				
26/11/2008	3.41				
27/11/2008	3.67				
28/11/2008	2.68				
29/11/2008	0.13				
30/11/2008	2.40				
01/12/2008	2.71				
02/12/2008	5.28				



Environmental Protection Agency

| PRTTR# : W0039 | Facility Name : Veolia Environmental Services (Ireland) Limited |
Filename : W0039AERPRTR_2008.xls | Return Year : 2008 |

30/03/2009 14:33

AER Returns Worksheet

Version 1.1.01

REFERENCE YEAR 2008

1. FACILITY IDENTIFICATION

Parent Company Name	Veolia Environmental Services (Ireland) Limited
Facility Name	Veolia Environmental Services (Ireland) Limited
PRTTR Identification Number	W0039
Licence Number	W0039-02

Waste or IPPC Classes of Activity

No.	class name
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. Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes).
4.2	Recycling or reclamation of metals and metal compounds.
4.3	Recycling or reclamation of other inorganic materials.
4.4	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	Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.

Address 1	Ballymount Cross
-----------	------------------

Address 2	Tallaght
Address 3	Dublin 24
Address 4	
Country	Ireland
Coordinates of Location	540000.000
River Basin District	IE-Eastern
NACE Code	382
Main Economic Activity	Waste treatment and disposal
AER Returns Contact Name	Pearse Moroney (W0039)
AER Returns Contact Email Address	pearse.moroney@veolia.ie
AER Returns Contact Position	Environmental Manager
AER Returns Contact Telephone Number	01 4136500
AER Returns Contact Mobile Phone Number	086 6076495
AER Returns Contact Fax Number	01 4136501
Production Volume	0.0
Production Volume Units	
Number of Installations	1
Number of Operating Hours in Year	8760
Number of Employees	52
User Feedback/Comments	
Web Address	

2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
5c	Installations for the disposal of non-hazardous waste

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?	

4.1 RELEASES TO AIR

SECTION A : SECTOR SPECIFIC PRRR POLLUTANTS

No.	Pollutant	Name	M/C/E	Method Code	Method Used Destination or Description	QUANTITY			
						Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
No. Amtrak						0.0	0.0	0.0	0.0

Select a row by double-clicking on the Pollutant Name (Column 6) then click the delete button

SECTION B : REMAINING PRRR POLLUTANTS

No.	Pollutant	Name	M/C/E	Method Code	Method Used Destination or Description	QUANTITY			
						Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
No. Amtrak						0.0	0.0	0.0	0.0

Select a row by double-clicking on the Pollutant Name (Column 6) then click the delete button

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

Pollutant No.	Name	M/C/E	Method Code	Method Used Destination or Description	QUANTITY			
					Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
27/0	Diesel	M	PER	Based on V20 B&E 2phase2 - dust deposition averaged for one week (see Part 1)	1038.1 0.0	1038.1 0.0	0.0 0.0	0.0 0.0

Select a row by double-clicking on the Pollutant Name (Column 6) then click the delete button

Additional Data Requested from Landfill operators

For the purpose of the Methane Generation and Greenhouse Gases, Landfill operators are requested to provide accurate data on landfill gas (methane) for the purpose of this facilities to accurately report the figures for total methane generated. Operators should only report their Net methane (C14) emission to the environment under 'Total' (Kg/yr) for Section A, Sector specific PRRR pollutants above. Please complete the table below:

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

4.2 RELEASES TO WATERS

SECTION A : SECTOR SPECIFIC PTRR POLLUTANTS

No. Annex II	POLLUTANT	Name	MPC	Method Code	Method Used Designation or Description	QUANTITY			
						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 PTRR POLLUTANTS

No. Annex II	POLLUTANT	Name	MPC	Method Code	Method Used Designation or Description	QUANTITY			
						Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
						0.0	0.0	0.0	0.0

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

SECTION C : REMAINING POLLUTANT EMISSIONS (as required in your license) RELEASES TO WATERS

Pollutant No.	POLLUTANT	Name	MPC	Method Code	Method Used Designation or Description	QUANTITY			
						Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
303	BOD		M	PER	Based on APHA 2005 21st edition method 5210B TGMF modification	100.84	100.84	0.0	0.0
314	Tras: Oils and Greases		M	PER	Based on APHA 2005 21st edition method 5520B	106.2	0.0	0.0	0.0
240	Supersatd Solids		M	PER	Based on APHA 2005 21st edition method 2540D	185.2	0.0	0.0	0.0

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

4.3 RELEASES TO WASTEWATER OR SEWER

SECTION A: PRTR POLLUTANTS

OFF-SITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER									
No. Annex I	POLLUTANT	Name	M/G/E	Method Code	METHOD Method Used Designator or Description	Emission Point 1	QUANTITY		
							I (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
							0.0	0.0	0.0

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

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

OFF-SITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER									
Pollutant No.	POLLUTANT	Name	M/G/E	Method Code	METHOD Method Used Designator or Description	Emission Point 1	QUANTITY		
							I (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
							0.0	0.0	0.0

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

4.4 RELEASES TO LAND

SECTION A : PRTR POLLUTANTS

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)

POLLUTANT	
POLLUTANT	RELEASES TO LAND

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

METHOD		M/C/E	Method Code	Designation or Description	Emission Point 1
METHOD Used					
					0.0

) then click the delete button

METHOD		M/C/E	Method Code	Designation or Description	Emission Point 1
METHOD Used					
					0.0

) then click the delete button

QUANTITY	
T (Total) KG/Year	0.0
A (Accidental) KG/Year	0.0

QUANTITY	
T (Total) KG/Year	0.0
A (Accidental) KG/Year	0.0

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

REPORT W0001 PART 5: Waste Disposal/Offsite Treatment - W0004/0001 - 2021

Waste Disposal/Offsite Treatment - W0004/0001 - 2021

Transfer Destination	European Waste Code	Hazardous	Quantity T/Year	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Name and Licence / Permit No. of Receiver / Disposer / Broker	Address of Receiver / Disposer / Broker	Name and Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)	Licence / Permit No. of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used					
Within the Country	20 03 01	No	8709.8 mixed municipal waste		D14	M	Weighted	Onsite in Ireland	SIDCC Baling Station, W0003-02	Walkinstown Dublin 12 Dook Rd, Limerick, Roberstown, Naas, Co Kildare		
Within the Country	20 03 01	No	21.3 mixed municipal waste		D15	M	Weighted	Onsite in Ireland	VES W0082-02			
Within the Country	20 03 01	No	14347.9 mixed municipal waste		D1	M	Weighted	Onsite in Ireland	Bord na Mona W0200-01 Greenstar Landfill W0165-01	Ballynagrán, Co Wicklow		
Within the Country	20 03 01	No	4944.0 mixed municipal waste		D1	M	Weighted	Onsite in Ireland	Greenstar Landfill W0081-03	Kilcullen Co Kildare Whiteriver Dunleer Rempsey, Co Wicklow Dook Rd, Limerick		
Within the Country	20 03 01	No	1723.4 mixed municipal waste		D1	M	Weighted	Onsite in Ireland	Lough Co Co W0060-02			
Within the Country	20 03 01	No	7233.9 mixed municipal waste		D1	M	Weighted	Onsite in Ireland	Wicklow CACO W0086-02			
Within the Country	20 03 01	No	2722.5 mixed municipal waste		D1	M	Weighted	Onsite in Ireland	VES W0082-02			
Within the Country	19 12 12	No	178.1 Mixed recyclables		R3	M	Weighted	Onsite in Ireland	Irish Packaging & Recyclables W/P/ 0021	Walkinstown, Co Dublin Carnlough Rd, Newry, Co Down, N Ireland		
Within the Country	19 12 12	No	537.3 Mixed recyclables		R3	M	Weighted	Onsite in Ireland	Irish Packaging & Recyclables W/P/ 0021	Walkinstown, Co Dublin Carnlough Rd, Newry, Co Down, N Ireland		
Other Countries	19 12 12	No	1472.6 Mixed recyclables		R3	M	Weighted	Abroad	VES Irish Packaging & Recyclables W/P/ 0021	Walkinstown, Co Dublin		
Other Countries	19 12 12	No	12.6 Cardboard/Paper		R3	M	Weighted	Onsite in Ireland	Irish Packaging & Recyclables W/P/ 0021	Walkinstown, Co Dublin		
Within the Country	19 12 01	No	2012.9 Cardboard/Paper		R3	M	Weighted	Onsite in Ireland	Irish Packaging & Recyclables W/P/ 0021	Walkinstown, Co Dublin		
Other Countries	15 01 01	No	6771.1 Cardboard/Paper		R3	M	Weighted	Abroad	VPPRL	France		
Other Countries	15 01 01	No	7699.0 Cardboard/Paper		R3	M	Weighted	Abroad	China	UK		
Other Countries	15 01 01	No	202.8 Cardboard/Paper		R3	M	Weighted	Abroad	Holland	Holland		
Other Countries	15 01 01	No	2256.6 Cardboard/Paper		R3	M	Weighted	Abroad	Holland	Holland		
Other Countries	15 01 01	No	114.6 Cardboard/Paper		R3	M	Weighted	Abroad	VES NMW/DL/10	Down, N Ireland		
Other Countries	15 01 04	No	1242.7 Metal Packaging		R4	M	Weighted	Onsite in Ireland	Multimetals ESS/IF/8/12/39	Blessington, Co Wicklow Carnlough Rd, Newry, Co Down, N Ireland		
Other Countries	20 01 40	No	3.1 Metal		R4	M	Weighted	Onsite in Ireland	Multimetals ESS/IF/8/12/39	Blessington, Co Wicklow Carnlough Rd, Newry, Co Down, N Ireland		
Other Countries	15 01 02	No	128.3 Plastic		R3	M	Weighted	Abroad	YES	Down, N Ireland		
Other Countries	20 01 21	Yes	0.4 Tubes		R13	M	Weighted	Onsite in Ireland	Irish Lamp 200002B	Athy Co Kildare		
Other Countries	20 01 86	No	0.1 WEE		R13	M	Weighted	Onsite in Ireland	Irish Lamp 200002B	Athy Co Kildare		
Other Countries	16 01 03	No	5.0 EL Tyres		R3	M	Weighted	Onsite in Ireland	Crumb Rubber W/P03302	Drumiskin, Co Louth Carnlough Rd, Newry, Co Down, N Ireland		
Other Countries	15 01 01	No	37.0 Shreddible paper		R3	M	Weighted	Onsite in Ireland	YES	Down, N Ireland		
Other Countries	15 01 02	No	1386.8 Plastic		R3	M	Weighted	Abroad	Greenway Thorncliffe	Derry, N Ireland		
Other Countries	15 01 02	No	28.4 Plastic		R3	M	Weighted	Abroad	Greenway Thorncliffe	Derry, N Ireland		
Other Countries	15 01 03	No	29.0 Timber		R3	M	Weighted	Onsite in Ireland	Irish Packaging & Recyclables W/P/ 0021	Walkinstown, Co Dublin Oidmillow, Kill Co Kildare		
Other Countries	15 01 03	No	2830.62 Timber		R3	M	Weighted	Onsite in Ireland	PDM	N Ireland		
Other Countries	15 01 03	No	146.1 Timber		R3	M	Weighted	Onsite in Ireland	Urban Forest	N Ireland		
Other Countries	15 01 03	No	15.6 Timber		R3	M	Weighted	Onsite in Ireland	CHEP	Fingles Co Dublin		
Other Countries	15 01 03	No	778.3 Timber		R3	M	Weighted	Onsite in Ireland	C/S Shearans	Co Offaly		
Other Countries	20 01 40	No	3.86 Metal		R4	M	Weighted	Onsite in Ireland	Currans W/P045	Naas Rd Dublin		
Other Countries	17 01 07	No	2114.4 Mixed C&D		R11	M	Weighted	Onsite in Ireland	Marrakesh W0041-01	Co Wicklow		
Other Countries	13 05 03	Yes	330.0 Sludge from site		D9	M	Weighted	Onsite in Ireland	Rilla W0192-01	Rathcoole, Co Dublin		
Other Countries	19 12 12	No	9767.8 Mixed recyclables		R13	M	Weighted	Onsite in Ireland	Panda W/P0021	Ballymount Rd Dublin		
Other Countries	17 01 07	No	147.7 Mixed C&D		R11	M	Weighted	Onsite in Ireland	Panda W0140-02	Slane Co Meath		
Other Countries	20 03 01	No	15231.3 MMW		D15	M	Weighted	Onsite in Ireland	Panda W0140-02	Slane Co Meath		

* Based on data provided by the description of waste from each site office Dublin