

Waste Licensing

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

Annual Environmental Report 2009

Veolia Environmental Services (Ire) Ltd.

EPA Ref. No:

W0039-2

Environmental Protection Agency

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VEOLIA ENVIRONMENTAL SERVICES (IRELAND) LTD
WASTE TRANSFER AND RECYCLING FACILITY
ANNUAL ENVIRONMENTAL REPORT

1st January 2009 – 31st December 2009

Prepared by:-

Pearse Moroney
National Environmental Manager

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

March, 2010

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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 1st January – 31st December 2009

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 Knockharley Landfill, Whiteriver 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 943.8mm (very similar to 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 in the region of 60 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 was 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
January 2009	7	NA	NA	4	<5	7	24
April 2009	8.5	182	10	3	35	12	56
May 2009	7.6	231	11	10	11	8	42
June 2009	7.3	415	15	3	<5	14	44
July 2009	7.1	na	15	<10	29	13	29
August 2009	7.6	na	15	4	25	12	46
October 2009	7.6	164	10	2	25	10	51
November 2009	7.2	301	10	7	28	11	64
November 2009 EPA	7.4	198	NA	14	61	71	215
December 2009	7	302	8	2	25	27	65

* Due to insufficient rainfall, no samples were collected in February, March 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 on-site Class 1 interceptor 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. VES Ltd. has commissioned 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' would provide an effective solution in collecting solids and OFG's and thereby reduce emissions.

Further modelling studies and hydrological analysis were carried out in 2009 to size the required Downstream Defender storm water treatment device which could deal with peak flows on site. This report has now been published.

3.2 Emissions to Foul Sewer

Condition 9.1 of the 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 hard standing 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.

Monitoring Point FS1	pH	Temp (°C)	TSS (mg/l)	OFG's (mg/l)	MBAS (mg/l)	BOD (mg/l)	COD (mg/L)
Emission Limit Value							
Grab	6 – 10	42(Max)	1000	100	100	2000	4000
Continuous	N/A	N/A	800	100	100	1500	3000
April 2009	7.9	10	53	4	0.11	50	131
June 2009	6.9	ND	974	30	.33	391	974
August 2009	6.8	ND	946	67	0.14	685	1585
October 2009	6.8	ND	246	12	1.24	370	865
November 2009	7.2	8	132	22	0.24	194	516

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.

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 fifteen occasions, as follows:

Date	Total Flow to Foul Sewer (m³/Day)
3/2/2009	28.13
4/2/2009	28.3
6/6/2009	56.03
17/6/2009	26.13
2/7/2009	29.1
22/7/2009	26.03
22/8/2009	33.56
2/9/2009	24.06
6/10/2009	26.3
21/10/2009	26
1/11/2009	23.9
19/11/2009	21.24
29/11/2009	38.25
30/12/2009	28.75
31/12/2009	51.29

The flow volume exceedences were due to exceptional rainfall events. 2009 was a year of record breaking rainfall

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 20th of October and the 22nd October 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	46.9	69.8	48.2	52.8	43.2
B2	Boundary	66.7	46.1	67.8	47.4	53.7	42.9
B3	Boundary	63.8	58	66	63	56.3	50.2
NS1	Nearest Noise Sensitive Location	71.5	64.5	75	68.8	58.4	46.1

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.
- In general results are lower than recorded in 2008

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 2009. 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	38	307	288	350
D2	231	339	245	350
D3	215	109	499	350
D4	*	138	314	350

* Jar containing sample from D4 contaminated by Bird droppings.

Interpretation of Air Quality Results.

The result for D3 for the period February to March exceeded the limit. Although the period was noteworthy for the lack of rainfall, 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 as required

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	Completion date to be agreed
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.	Completion date to be agreed

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 2009 through the end of December 2009.

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 3 incidents were recorded during the reporting period and a summary of these is presented in Table 6.1 below.

Table 6.1 Recordable Incidents during Year 2009

	<i>Date of Incident</i>	<i>Nature and ELV Exceedance</i>
1	15th April 2009	TSS level exceeded ELV for SW sample.
2	18th November 2009	OFG, TSS and BOD levels exceeded ELV for SW sample.
3	8th December 2009	BOD, 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 2009.

6.3 Site Inspection - EPA

A site inspection was carried out on the facility by the Agency on the 3rd June 2009 as a result of an odour complaint in the vicinity. An Inspection Report was forwarded to VES on the 28th July 2009 which raised one non-compliance concerning the handling and storage of waste and prevention of emissions from putrescible waste. The VES response and corrective

action was provided in the letter reference WL-Let EPA 10/09/39-2. A new form for odour assessment was raised and a copy is attached in Appendix 3.

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 - 2009

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 business circumstances in 2009, dates have been extended or Objectives have been cancelled in some instances.

7.1.2 Schedule of Environmental Objectives and Targets 2

A provisional schedule of Environmental Objectives & Targets for 2010 is presented in **Table 7.2** along with Management responsibility for achieving these objectives. This may need to be reviewed in light of anticipated changes in Company management.

Table 7.1 Environmental Objectives and Targets 2009

No.	Description	Target	Responsibility	Timescale	Status
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	Full drainage network model has been run and report published detailing design requirements. Further action delayed until company Status resolved
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	Non- compliances recorded but positive progress made on all sites wrt 2008
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		Some minor recycling initiatives undertaken but significant action delayed until company Status resolved
4.	Reduce Energy and Paper consumption	<ol style="list-style-type: none"> 1. 10% reduction 2. Improved monitoring and staff awareness. 3. Energy audit –sensors/bulbs 	PM/ML	Dec 09	Awareness program implemented. Lighting in offices re-aligned
5	Support Environmental awareness	<ol style="list-style-type: none"> 1. Notice board 2. Computer in canteen 3. World Environmental Day -5/6/2009 	PM	Dec 2009	World Environmental day recognised via training and poster campaign

Table 7.2 Environmental Objectives and Targets 2010

No.	Description	Target	Responsibility	Timescale
1	To achieve ongoing compliance with SW and FW E LV's.	Install and commission Downstream Defender		,
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.'2010
3.	Reduce Energy and water consumption	<ul style="list-style-type: none"> • Energy audit 	PM/ML	Dec2010
4	Support Environmental awareness	<ul style="list-style-type: none"> • Promote World Environmental Day • Implement Environmental programs 	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.

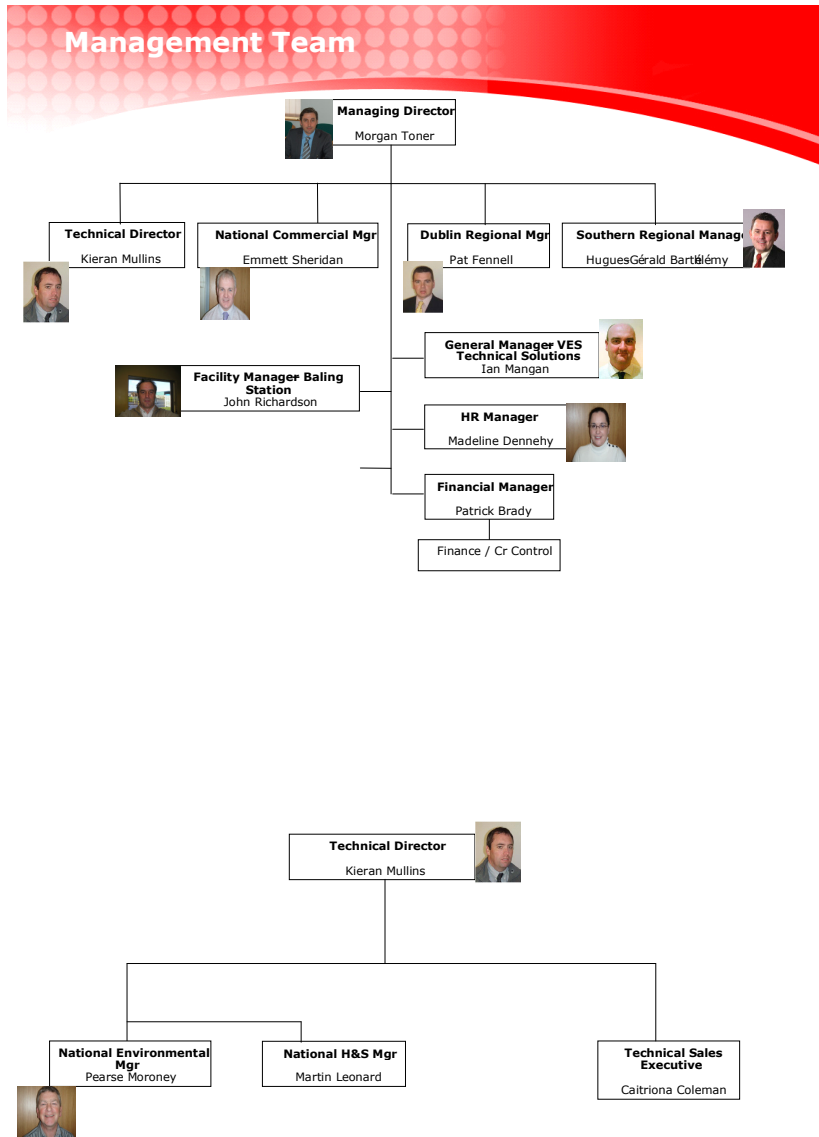
7.3 Management and Staffing Structure

The organisational structure of the facility is shown in Figure 7.1.

During 2009 a number of positions were made redundant. It is anticipated that there will be fundamental change to the company in 2010 as there is a potential takeover imminent. 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 VES



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.

8 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.

9 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 2009 may be summarised as follows:

- Hydraulic Oil 850 litres per annum
 - Gas 46,000 KWh/ annum
 - Electricity 402,335.9 KWh /annum
 - Truck wash Cleaning Agents 685 Kg per annum
 - Odour Neutraliser 1,100Kg
 - Water 693 m³
 - Diesel Fuel 477,905 Total litres per annum
(445,505 litres Waste Collection Vehicles + 32,400 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)
- 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:

Pat Fennell

Dublin Regional Manager

Pearse Moroney

National Environmental Manager

APPENDIX 1
Tonnage Reports

APPENDIX 2

Flow to Foul Sewer

APPENDIX 3

Form VF0017



AER Returns Worksheet

Version 1.1.10

REFERENCE YEAR	2009
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1. FACILITY IDENTIFICATION

Parent Company Name	Veolia Environmental Services (Ireland) Limited
Facility Name	Veolia Environmental Services (Ireland) Limited
PRTR 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.
3.11	Blending or mixture 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.
4.2	Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes).
4.3	Recycling or reclamation of metals and metal compounds.
4.4	Recycling or reclamation of other inorganic materials.
Address 1	Ballymount Cross
Address 2	Tallaght
Address 3	Dublin 24
Address 4	
Country	Ireland
Coordinates of Location	-6.35528 53.3121
River Basin District	IEEA
NACE Code	3821
Main Economic Activity	Treatment and disposal of non-hazardous waste
AER Returns Contact Name	Garrett Walsh (W0039)
AER Returns Contact Email Address	garrett.walsh@greenstar.ie
AER Returns Contact Position	Environmental Officer
AER Returns Contact Telephone Number	051 333944
AER Returns Contact Mobile Phone Number	086 1705034
AER Returns Contact Fax Number	051 333945
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	www.greenstar.ie

2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
5(c)	Installations for the disposal of non-hazardous waste
5(c)	Installations for the disposal of non-hazardous waste
50.1	General

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

Is it applicable?	No
Have you been granted an exemption?	No
If applicable which activity class applies (as per Schedule 2 of the regulations)?	
Is the reduction scheme compliance route being used?	

4.1 RELEASES TO AIR

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

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

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

SECTION B : REMAINING PRTR POLLUTANTS

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

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

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

RELEASES TO AIR										
POLLUTANT		METHOD			QUANTITY					
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	D1B	D2	D3	D4	T (Total) KG/Year	F (Fugitive) KG/Year
					Emission Point 1	Emission Point 2	Emission Point 3	Emission Point 4		
210	Dust	M	PER	Standard Methods	221.42	285.07	287.88	237.16	1031.53	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:

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

4.2 RELEASES TO WATERS

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

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

) then click the delete button

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

) then click the delete button

M/C/E		Method Used		Emission Point 1	T (Total) KG/Year
		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

4.3 RELEASES TO WASTEWATER OR SEWER

SECTION A : PRTR POLLUTANTS

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER									
POLLUTANT		METHOD			QUANTITY				
No. Annex II	Name	M/C/E	Method Used		Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year	
			Method Code	Designation or Description					
						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)

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER									
POLLUTANT		METHOD			QUANTITY				
Pollutant No.	Name	M/C/E	Method Used		Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year	
			Method Code	Designation or Description					
303	BOD	M	PER	Standard Method	FW1	398.16	398.16	0.0	0.0
306	COD	M	PER	Standard Method		959.13	959.13	0.0	0.0
308	Detergents (as MBAS)	M	PER	Standard Method		0.49	0.49	0.0	0.0
314	Fats, Oils and Greases	M	PER	Standard Method		31.81	31.81	0.0	0.0
240	Suspended Solids	M	PER	Standard Method		553.9	553.9	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

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

) then click the delete button

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

) then click the delete button

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

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

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

PR0704 - W0039 / Facility Name : Veolia Environmental Services Ireland Limited / Filings : W0039 2009.xlsx / Return Year : 2009

03/06/2010 13:02

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Site Waste Name and Licence/Permit No of Receptor/Disposer	Site Waste Address of Next Destination Facility (i.e. Final Recovery/Disposal Receptor/Disposer)	Name and Licence / Permit No. and Address of Final Receiver (i.e. Final Recovery/Disposal Receptor/Disposer)	Actual Address of Final Destination (i.e. Final Recovery/Disposal Receptor/Disposer)
						MCCE	Method Used					
Within the Country	20 03 01	No	20463.0	Mixed municipal waste	D1	M	Washed	Offsite in Ireland	Greenstar Ltd W0165-01	..Ballynagar, Co Wicklow, Ireland		
Within the Country	20 03 01	No	64.0	Mixed municipal waste	D1	M	Washed	Offsite in Ireland	Boird na Mara Waste Management, W0201-01	..Drohid, Co Kildare, Ireland		
Within the Country	20 03 01	No	28.0	Mixed municipal waste	D1	M	Washed	Offsite in Ireland	Conroy Recycling Ltd, W0152/2006	..Westmeath, Ireland		
Within the Country	20 03 01	No	767.0	Mixed municipal waste	D1	M	Washed	Offsite in Ireland	Greyhound Recycling Ltd, W0205-01	..Clonsilla, Co Dublin, Ireland		
Within the Country	20 03 01	No	82.0	Mixed municipal waste	D1	M	Washed	Offsite in Ireland	Louth Co Co, W0050-03	..Louth, Ireland		
Within the Country	20 03 01	No	37378.0	Mixed municipal waste	D15	M	Washed	Offsite in Ireland	Nurendale Ltd via Panda Waste, W0140-02	..Beauspar, Navan, Co Meath, Ireland		
Within the Country	20 03 01	No	2174.0	Mixed municipal waste	D1	M	Washed	Offsite in Ireland	Wicklow Co Co, W0086-03	..Rampere Landfill, Co Wicklow, Ireland		
Within the Country	20 03 01	No	287.0	Mixed municipal waste	D15	M	Washed	Offsite in Ireland	VES Technical Solutions Ltd, W0050-02	..Cork, Ireland		
To Other Countries	15 01 01	No	5126.0	Cardboard & Paper Packaging	R3	M	Washed	Abroad	America Chung Nam JRE/G02/08China		
To Other Countries	15 01 01	No	1080.0	Cardboard & Paper Packaging	R3	M	Washed	Abroad	Falard Paper Services Ltd, IRE/G01/08United Kingdom		
To Other Countries	15 01 01	No	606.0	Cardboard & Paper Packaging	R3	M	Washed	Abroad	Fibre Brokers Intl - Stirling Fibre, IRE/G01/08United Kingdom		
To Other Countries	15 01 01	No	226.0	Cardboard & Paper Packaging	R3	M	Washed	Abroad	Eastbound Ltd IRE/G131/08China		
To Other Countries	15 01 01	No	2622.0	Cardboard & Paper Packaging	R3	M	Washed	Abroad	Hamon Intl (Georgia Pacific) Ltd, IRE/G02/08United Kingdom		
To Other Countries	15 01 01	No	1548.0	Cardboard & Paper Packaging	R3	M	Washed	Abroad	Pary & Evans Ltd, IRE/G01/08United Kingdom		
To Other Countries	15 01 01	No	5614.0	Cardboard & Paper Packaging	R3	M	Washed	Abroad	Veolia Progrete Ltd, IRE/G05/08France		
To Other Countries	15 01 01	No	35.0	Cardboard & Paper Packaging	R13	M	Washed	Abroad	Veolia Environmental Services (NI) Ltd, NMW02/10	..Cambridge Road, Beeston, Co Leicestershire, UK		
Within the Country	15 01 01	No	2018.0	Cardboard & Paper Packaging	R13	M	Washed	Offsite in Ireland	IPR Ltd, WPR/02/12	..Dublin, Ireland		
Within the Country	15 01 01	No	1.0	Cardboard & Paper Packaging	R3	M	Washed	Offsite in Ireland	Shabra Recycling Ltd, WFP-MN-08-22-01	..Clonsilla, Co Monaghan, Ireland		
Within the Country	15 01 02	No	25.0	Plastic Packaging	R13	M	Washed	Offsite in Ireland	IPR Ltd, WPR/02/12	..Dublin, Ireland		
Within the Country	15 01 02	No	24.0	Plastic Packaging	R3	M	Washed	Offsite in Ireland	Shabra Recycling Ltd, WFP-MN-08-22-01	..Clonsilla, Co Monaghan, Ireland		
Within the Country	15 01 02	No	28.0	Plastic Packaging	R13	M	Washed	Offsite in Ireland	Veolia Environmental Services (Ireland) Ltd, W0082-02	..Dock Road, Limerick, Co Limerick, Ireland		
To Other Countries	15 01 02	No	1418.0	Plastic Packaging	R13	M	Washed	Abroad	Veolia Environmental Services (NI) Ltd, NMW02/10	..Cambridge Road, Beeston, Co Leicestershire, UK		
Within the Country	15 01 03	No	72.0	Wooden Packaging	R3	M	Washed	Offsite in Ireland	CJ Sheeran Ltd, P0337-01	..Shannon St., Mourmash, Co Laois, Ireland		
Within the Country	15 01 03	No	2528.0	Wooden Packaging	R3	M	Washed	Offsite in Ireland	Conroy Recycling Ltd, W0152/2006	..Westmeath, Ireland		
Within the Country	15 01 03	No	146.0	Wooden Packaging	R13	M	Washed	Offsite in Ireland	Nurendale Ltd via Panda Waste, W0140-02	..Beauspar, Navan, Co Meath, Ireland		
Within the Country	15 01 03	No	399.0	Wooden Packaging	R3	M	Washed	Offsite in Ireland	PDM Thomsons, WP291/07 (Kildare Co Co)	..Old Fieldown, Co Kildare, Ireland		
Within the Country	15 01 03	No	2.0	Wooden Packaging	R3	M	Washed	Offsite in Ireland	Shabra Recycling Ltd, WFP-MN-08-22-01	..Clonsilla, Co Monaghan, Ireland		
Within the Country	16 01 03	No	7.0	Tires	R3	M	Washed	Offsite in Ireland	Cumbr Rubber Ltd, WPR03/02	..Louth, Ireland		
Within the Country	17 01 07	No	1536.0	Mixed C&D	R6	M	Washed	Offsite in Ireland	Marakesh Ltd, W0048-01	..Kilmurry, Co Wicklow, Ireland		
Within the Country	20 01 01	No	35.0	Papers	R13	M	Washed	Offsite in Ireland	IPR Ltd, WPR/02/12	..Dublin, Ireland		
To Other Countries	20 01 01	No	38.0	Papers	R13	M	Washed	Abroad	Veolia Environmental Services (NI) Ltd, NMW02/10	..Cambridge Road, Beeston, Co Leicestershire, UK		
To Other Countries	20 01 36	No	178.0	WEEE	R4	M	Washed	Abroad	Tech Rec Ltd, LN0407/A	..Killyman, Daraghamon, BT71 7EF, United Kingdom		
Within the Country	20 01 21	Yes	0.2	Flourescent Tubes	R4	M	Washed	Offsite in Ireland	Irish Lamps Recycling Ltd, COR-NE-08-0004-01	..Kilkenny Road, Athy, Co Kilkenny, Ireland	Clausthaus Metallmaatschappij MB/04.0 402671...Zeewolde...3899	..Zeewolde, 3899 AH Netherlands
Within the Country	20 01 40	No	902.0	Metals	R4	M	Washed	Offsite in Ireland	Multi Metals Ltd, ESS/15/01/2	..Bessington, Co Wicklow, Ireland		
Within the Country	20 03 01	No	855.0	Mixed Dry Recyclables	R3	M	Washed	Offsite in Ireland	Greenstar Ltd, W0053-03	..Bray, Co Wicklow, Ireland		
Within the Country	20 03 01	No	31.0	Mixed Dry Recyclables	R3	M	Washed	Offsite in Ireland	IPR Ltd, WPR/02/12	..Dublin, Ireland		
Within the Country	20 03 01	No	823.0	Mixed Dry Recyclables	R3	M	Washed	Offsite in Ireland	Kilnamoy Waste Disposal Ltd, W0207-01	..Aughnacrow, Kiltalley, Co Kerry, Ireland		
Within the Country	20 03 01	No	5341.0	Mixed Dry Recyclables	R3	M	Washed	Offsite in Ireland	Nurendale Ltd via Panda Waste, W0140-02	..Beauspar, Navan, Co Meath, Ireland		
Within the Country	20 03 01	No	8.0	Mixed Dry Recyclables	R3	M	Washed	Offsite in Ireland	Shabra Recycling Ltd, WFP-MN-08-22-01	..Clonsilla, Co Monaghan, Ireland		
Within the Country	20 03 01	No	1214.0	Mixed Dry Recyclables	R3	M	Washed	Offsite in Ireland	Veolia Environmental Services (Ireland) Ltd, W0082-02	..Dock Road, Limerick, Co Limerick, Ireland		
Within the Country	16 10 02	No	143.0	Aqueous Liquid Waste	D8	M	Washed	Offsite in Ireland	Dublin City Council, D0034-01	..Dublin, Ireland		
Within the Country	13 05 07	Yes	82.0	Oil waste from o/w separators	D9	M	Washed	Offsite in Ireland	RLTA Ltd, W0192-02	..Dublin, Ireland	RLTA Ltd, W0192-02, Greenogue Business Park, Rathcoole, Co Dublin, Ireland	..Greenogue Business Park, Rathcoole, Co Dublin, Ireland
To Other Countries	20 01 36	No	957.0	WEEE	R4	M	Washed	Abroad	NWP Recycling Ltd, WNL0324	..Armagh, BT6 3TU, United Kingdom		
To Other Countries	20 01 40	No	10.0	Metals	R4	M	Washed	Abroad	NWP Recycling Ltd, WNL0324	..Armagh, BT6 3TU, United Kingdom		
To Other Countries	20 01 01	No	21.0	Mixed Papers	R3	M	Washed	Abroad	Regen Ltd, WML 22/25	..Down, BT36 6JD, United Kingdom		
To Other Countries	15 01 02	No	59.0	Plastic Packaging	R3	M	Washed	Abroad	Revdino, IRE/AG079/08China		
To Other Countries	15 01 03	No	30.0	Wooden Packaging	R3	M	Washed	Abroad	Urban Forest (Allclear) Ltd, LN06/22	..Denby Road, Cambane Business Park, Newry, BT36 6QH, United Kingdom		

* Select a row by double-clicking the Description of Waste from click the details button