

Annual Environmental Report (AER) 2016 Millennium MRF, Ballycoolin, Dublin 11 Licence: W0183-01

April 2017



# **Document Control Sheet**

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# Section 1 Introduction

# 1.1 Reporting Period

This is the 2016 Annual Environmental Report (AER) for the Starrus Eco Holdings Ltd (SEHL), Material Recovery Facility (MRF) at Millennium Business Park, Ballycoolin, Dublin 11. It covers the period from the 1<sup>st</sup> January 2016 to the 31<sup>st</sup> December 2016.

### 1.2 IED Licence

The Environmental Protection Agency (EPA) transferred Licence No. W0183-01 to Starrus Eco Holdings Limited for its facility at Millennium Business Park, Grange, Ballycoolin, Co. Dublin on the 4<sup>th</sup> of March 2014.

On the 16<sup>th</sup> of December 2015, the Licence was amended by the EPA and deemed to be an industrial emissions Licence (IED) granted under Part IV of the Environmental Protection Act 1992 as amended.

This report is prepared in accordance of condition 10.9 of the Licence, which requires and Annual Environmental Report (AER) for the facility to be submitted to the EPA.



# Section 2 Site Description

# 2.1 Site Location

SEHL operate a MRF at the Millennium Business Park, Ballycoolin, Dublin 11. The facility is situated in West Dublin, approximately 5km north-west of Finglas. The surrounding area is characterised mainly by industrial and commercial land use.

### 2.2 Licenced Waste Activities

The facility is in operation since July 2006. It is currently licensed to accept and process 159,000 tonnes of waste per annum, comprising commercial/industrial non-hazardous waste, municipal waste and construction and demolition wastes. The facility has a potential to expand that figure to 220,000 tonnes if it was to develop Phase II of the facility. All waste processing takes place inside the waste transfer building, as specified in Condition 4.1 of the Licence. The Agency has granted approval for the outdoor storage of wrapped bales of Solid Recovered Fuel (SRF).

### 2.2.1 Waste Types

The licensed waste types and quantities under Schedule A of the Licence are:

Table 1 Waste Acceptance Categories & Quantities at Millennium Park

Waste Type	Maximum (tonnes per annum)	Maximum (tonnes per annum)
waste Type	Phase I	Phase I
Municipal	65,000	100,000
Commercial & Industrial	70,000	90,000
Construction & Demolition Waste	24,000	30,000
Total	159,000	220,000

No hazardous wastes or liquid wastes are accepted at the facility.

### 2.2.2 Waste Processing

The main processes carried out at the facility are: (really just acting as a transfer station now)

### Commercial & Industrial (C&I) Waste

Commercial and Industrial waste is delivered to the facility by refuse collection vehicles or ejection trailers in two forms, mixed waste and pre segregated dry recyclables. This waste is off loaded in dedicated bays inside the MRF building. The dry mixed recyclables are placed in separate bays from mixed waste. The waste upon tipping is inspected for contamination and unsuitable materials. These are removed immediately into a quarantine area.



The dry recyclables are moved into storage bays. This is later loaded into trailers and transported off site.

The mixed waste is initially sorted using a mechanical grab to remove large items such as timber and metal, which are removed to other storage areas in the building. The recovered materials are sent to offsite facilities for recycling, whilst residual waste is either landfilled or sent offsite for use as Solid Recovered Fuel (SRF).

### Construction & Demolition Waste (C&D)

C&D waste is tipped inside the MRF building. The pre segregated and mixed waste are put into separate waste bays. The waste upon tipping is inspected for contamination and unsuitable materials. These are removed immediately into a quarantine area.

The pre segregated recyclables are moved into storage bays. This is later loaded into trailers and transported off site.

The mixed waste is initially sorted using a mechanical grab to remove large items such as timber and metal, which are removed to other storage areas in the building.

In August 2014 an SEW was submitted and approved by the Agency. This allowed for the removal of the C&I and C&D processing lines and replaced the two processing lines with specialist baling and shredding equipment for dry recyclables. These have recently been removed and at present the site operates solely as a transfer station.

## 2.2.3 Plant and Machinery List

A list of the plant and machinery in use at the facility is presented in Table 2. The plant provides 100% duty capacity and 50% standby capacity for waste processing.

**Table 2 Existing Onsite Plant and Machinery** 

No.	Plant	Model	Operational Capacity (tons per day)	Standby Capacity (tons per day)
1	Loading Grab	Fuchs MHL 340	2160	1710
1	Loading Shovel	Volvo L120E	8640	7440
1	Ulster	Shredder	10	0
2	Mitsubishi Forktruck	Forktruck	-	-
1	Mustang Skid Steer	Loader	-	-
2	Linde Clamp	Forktruck	-	-



# Section 3 Emissions Monitoring

The monitoring required for the facility includes surface water, wastewater, dust and noise. All environmental emissions monitoring is carried out at the intervals and frequency specified in schedule D of the Licence, while reports presenting the results of this monitoring are also submitted to the Agency at various frequencies, in accordance with Schedule E of the Licence (Table 3).

**Table 3 Emission Monitoring and Reporting Frequencies** 

Medium	Monitoring Frequency	Reporting Frequency
Surface Water	Quarterly	Quarterly
Wastewater	Every two months	Quarterly
Dust	Three times a year	Three times a year
Noise	Annually	Annually

Monitoring locations are shown on Drawing 001 in Appendix 1. An overview of the results of monitoring carried out at the facility in 2016 is presented in this Chapter.

# 3.1 Surface Water Monitoring

Following agreement with the Agency Surface Water sampling was not carried out at the facility in 2016. This was due to ongoing issues with the Millennium Business Park storm water system, which was resulting in back flowing of storm water into the SEHL system.

# 3.2 Waste Water Monitoring

The wastewater discharge comes from vehicle washing, drainage from the materials recovery shed, and yard area where waste processing and handling take place. It flows then to a silt trap and oil interceptor, before entering the municipal sewer system.

## **3.2.1** Monitoring Locations

Bi-monthly sewer monitoring was carried out at the monitoring point SE-1, as shown on Drawing 001.

### 3.2.2 Monitoring Parameters

Monitoring and analysis was carried out for the parameters listed in Schedule D of the Licence.

The full wastewater laboratory analysis was carried out by ALS laboratories.

### 3.2.3 Monitoring Results

The results for 2016 are presented in Table 4. ELVs set out in the Licence are also included in Table 4.



Table 4 SE-1 Wastewater Monitoring Results 2016

Parameter	Units	Feb-16	Apr-16	Jun-16	Aug-16	Oct-16	Dec-16	Emission Limit
рН	pH units	7.633	9.0	6.4	6.9	6.15	7.53	6.0-10.0
Conductivity	mS/cm	0.275	0.789	0.659	698	859	923	N/A
Temperature	°C	6.8	10.9	11.8	11.8	10.6	8.3	42
Sulphate	mg/l	28.4	57	14.14	8.59	25.6	54.4	1000
BOD	mg/l	2.55	73	589	1,880	745	174	3000
COD	mg/l	8.31	234	1,260	1,550	1,150	301	6000
Total Suspended Solids	mg/l	<2	412	438	272	796	152	2000
Oils, Fats & Greases	mg/l	<1	17.2	61.1	28.6	14.9	17.0	100
Ammoniacal Nitrogen	mg/l	1.03	41.6	22.1	38.9	28.1	11.9	100
Surfactants	mg/l	0.0718	0.22	0.88	0.53	0.46	<0.21	100
Phosphates	mg/l	0.0584	<0.6	2.6	7.0	58.4	1.8	100

N/A = None Available

### 3.2.4 Interpretation of Results

All levels detected in the reporting period were within the ELVs.

# 3.3 Noise Monitoring

Damian Brosnan Acoustics undertook annual noise monitoring on the 9<sup>th</sup> of June 2016. The monitoring was undertaken to measure and assess noise levels in accordance with Schedule D3 of the Licence. The measurements recorded have been used to determine compliance with the noise emission limits specified in Schedule C1 of the Licence. The noise emission limit specified in the Licence only applies to noise sensitive locations, with levels recorded at boundary locations not required to meet this limit.

Condition 6.5 of the Licence states that "There shall be no clearly audible tonal component or impulsive component in the noise emissions from the activity at the noise sensitive locations."

Night-time monitoring was not carried out as the site is not operational during night-time hours and does not generate noise emissions during these hours.



### 3.3.1 Monitoring Locations

Daytime noise monitoring was undertaken at the four locations presented on Drawing 001. The monitoring locations include three onsite locations (N-1, N-2 and N-3) and one off-site noise sensitive location (NSL-1) as set out in Schedule D of the Licence.

### **3.3.2** Monitoring Results

Results of the noise monitoring carried out are summarised in Table 5.

**Table 5 Noise Monitoring Results 2016** 

		Daytime				
Location	Sample Time	L <sub>Aeq, 30 min</sub> (dB)	L <sub>A10, 30 min</sub> (dB)	L <sub>A90, 30 min</sub> (dB)	Specific L <sub>A90</sub> , 30 min (dB)	
N1	09/06/2016 13:30 – 14:00	47	49	44	<45	
N2	09/06/2016 14:06 – 14:36	64	63	50	64	
N3	09/06/2016 12:54 – 13:24	76	81	63	73	
NSL1	09/06/2016 12:11 – 12:41	70	74	49	<49	

### 3.3.3 Results Interpretation

L<sub>Aeq 30min</sub> levels recorded at the boundary stations were 47 - 76 dB. SEHL emission dominated at two of these. Noise limits specified in the Licence do not apply to those locations.

At the offsite sensitive station NSL1, the only station to which the Licence noise limits apply, the  $L_{Aeq\ 30min}$  level was 70dB. SEHL emissions were not audible, and were therefore lower than the 55dB daytime noise limit specified in the Licence.

SEHL operations did not give rise to tones or impulses at NSL1, thus complying with condition 5.5 of the Licence.

# 3.4 Dust Monitoring

Dust monitoring was carried out on three occasions in 2016. The Licence requires a minimum of three yearly monitoring events to take place. The three monitoring events took place in August, September and December 2016. The measurements recorded have been used to determine compliance with the dust emission limit (350 mg/m2/d) specified in Schedule C2 of the Licence.

Bergerhoff style gauges were used to determine total dust deposition levels at the site. Four gauges were set up so that the dust jars were at a height of at least 1.5 m above the ground and the jars were set in place during the monthly monitoring event. The samples were submitted to City Analysts Laboratories Ltd. for analysis of dust contents.



## **3.4.1** Monitoring Locations

The dust monitoring was carried out at four on-site locations (DS-01, DS-02, DS-03 and DS-04) in 2016. The locations of these monitoring points are shown on Drawing 001.

# 3.4.2 Monitoring Results

The results for organic, inorganic and total dust deposition for the three monitoring events which took place in September, November and December are presented in Table 6, Table 7, and Table 8 respectively. The dust emission limit set out in the Licence is also included in these tables.

**Table 6 Dust Monitoring Results August 2016** 

	Organic Dust	Inorganic Dust	Total Dust			
Sampling Point	August 2016					
		mg/m²/day				
DS-01	31.36	21.49	52.85			
DS-02	Dust Jar Damaged					
DS-03	18.91	18.01	36.91			
DS-04	12.62	11.05	23.67			
Limit			350			

**Table 7 Dust Monitoring Results September 2016** 

	Organic Dust	Inorganic Dust	Total Dust		
Sampling Point	September 2016				
		mg/m²/day			
DS-01	21.15	48.19	69.34		
DS-02	Dust Jar Damaged				
DS-03	5.55	19.47	25.02		
DS-04	24.57	17.34	41.91		
Limit			350		



**Table 8 Dust Monitoring Results December 2016** 

	Organic Dust	Inorganic Dust	Total Dust	
Sampling Point	December 2016			
		mg/m²/day		
DS-01	20.25	120.62	140.87	
DS-02	20.98	71.31	92.29	
DS-03	51.28	193.21	244.49	
DS-04	19.97	41.46	61.43	
Limit			350	

# 3.4.3 Interpretation of Results

No exceedances of the dust deposition limit of  $350 \text{ mg/m}^2/\text{day}$  were evident from the monitoring, which took place during the 2016 reporting year.



# Section 4 site development works

# 4.1 Specified Engineering Works

No specified engineering works in accordance with those listed in Schedule B of the Licence were carried out during the 2016 reporting period.

# 4.2 Summary of Resource & Energy Consumption

Resources consumed at Millennium Business Park MRF include diesel fuel, electricity, oil (hydraulic, transmission, engine), truck wash detergent, water (mains supply), natural gas, antifreeze. Table 9 presents an estimate of the resources used on-site during 2016 as well as 2015.

Table 9 Estimates of Resources used on site - 2015 & 2016

Resource	Quantities used 2015	Quantities used 2016
Diesel (litres)	60,000	62,950
Electricity (kWh)	927,715	645,699
Oils (hydraulic, transmission, engine) (litres)	2,000	1,500
Detergent (truck wash) (litres)	30	30
Water (mains)(litres)	3,890,000	8,069,000
Natural Gas (kWh)	52,040	52,276
Anti-Freeze (litres)	75	75

# 4.3 Tank & Pipeline Integrity Testing

Condition 3.13.3 of the Licence requires that tank, drum, pipeline and bund testing is to be carried out every three years on site. Pipeline testing took place in May 2016 which passed the pipeline fit for purpose. Bund testing is due to be undertaken in 2017.



# Section 5 Waste received and consigned from the facility

The waste processing which takes place at the facility and the maximum quantity of waste which may be processed at the facility are outlined in Section 2 of this document.

A detailed description of the wastes received and consigned in 2015 is presented in the PRTR submission in Appendix 3.

Table 10 shows the quantities of wastes accepted and consigned for the reporting period. The total quantity of waste accepted was 87,154.10 tonnes and the total amount consigned was 84,846.85 tonnes. The records show that more waste was received at the site than was consigned from it. The difference is due to waste which remained onsite at the end of 2016 which will be consigned in 2017.

For comparative purposes, the quantity of waste received and consigned from 2004 to 2016 is presented in Table 12.

As per Condition 5.8 of the Licence, all waste consigned from the site went to authorised recovery and disposal facilities. A copy of the relevant Facility Permit or Waste Licences is retained on site for Agency inspection.

**Table 10 Waste Received & Consigned 2016** 

EWC	Description	Waste In	Waste Out
101008	Casting cores and moulds from pouring	5.49	
150101	Paper and cardboard packaging	10,376.16	10,262.92
150102	Plastic packaging	1,057.32	989.75
150103	Wooden packaging	810.10	443.43
150104	Metallic packaging	25.43	2.80
150105	Composite packaging	15.51	
150106	150106 Mixed packaging		3,272.59
150107	150107 Glass Packaging		
150102	150102 Shredded Plastics		
160504	Pressurised gas containers		1.20
170101	170101 Concrete		24.60
170203	170203 Plastic		29.52
170405	Iron and steel	1.20	
170411	Cables other than those mentioned in 17 04 10	0.38	



EWC	Description	Waste In	Waste Out	
170504	Soils and stones other than those mentioned in 17 05 03	2,213.68	2,317.87	
170604	Insulation materials other than those mentioned in 17 06 01 and 17 06 03	9.87		
170802	Gypsum-based construction materials other than those mentioned in 17 08 01	255.29		
170904	Mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03	1,281.97	1,489.90	
190905	Saturated or spent ion exchange resins	5.41		
191201	Mixed Packaging	1.36		
191207	Wood	14.91	70.94	
191209	Minerals (for example sand, stones)	1,185.10	440.03	
191210	Combustible waste RDF	DF 6,255.69		
191212	Other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11			
200101	Paper and cardboard	15,772.33	16,654.45	
200102	Glass	10.85		
200108	Biodegradable kitchen and canteen waste	996.03	1,147.72	
200111	Textiles	28.58		
200138	Wood other than that mentioned in 20 01 37	2,312.43	2,513.30	
200139	Plastics	35.57	4.90	
200140	Metals	941.04	1,323.00	
200201	Biodegradable waste	1,796.04	1,536.99	
200301	Mixed municipal waste	20,681.67	21,118.77	
200303	Street-cleaning residues	545.97	280.20	
200307	Bulky waste	19,331.65	14,309.54	
	Total received	87,154.13		
	Total consigned		84,846.85	
	Recovery		77,780.76	
	Disposal		7,124.92	
	Recovery Rate (%)		91	



Table 11 Waste Received & Consigned 2015

EWC	Description	Waste In	Waste Out
10409	Sand	9.54	
70599	Peat Based Air Filter Media	109.3	
101008	Gyspum	6.22	
130208	Waste Oil		1.9
130309	Plastic Film	0.049	
150101	Cardboard Packaging	14442.103	13882.6
150102	Plastic Packaging	1270.532	1135.87
150103	Wooden Packaging	1060.379	500.435
150104	Metal Packaging	34.366	
150105	Tetra Pak Cartons	11.9	
150106	Mixed Packaging	6308.585	8054.93
150107	Glass	21.31	
160601	Batteries		0.81
160103	Tyres	14.04	
170203	Plastic	198.2	8.24
170302	Bitmac	98.02	98.2
170405	Stainless Steels	0.62	
170504	Soil & Stones	2668.82	2789.96
170802	Plasterboard	151.033	
170904	C&D Inert Mixed	1047.661	
180104	Solid Recovered Fuel (SRF)	66.58	
190902	Interceptor Sludge		34.24
190905	Resin	7.94	
191201	Paper & Cardboard Residue	10.259	
191204	Rubber	1.19	
191207	Wood	69.634	344.62
191209	C&D Inert Mixed	689.91	
191210	Solid Recovered Fuel (SRF)	1012.192	5862
191212	C&I Dry Mixed	9419.703	1921.14
200101	Cardboard & Paper	24138.367	22997.1
200102	Glass	23.53	
200108	Compost	3580.268	3308.9



EWC	Description	Waste In	Waste Out
200111	Textile	8.72	
200138	Wood	2491.794	1343.86
200139	Plastic	32.82	15.58
200140	Metal	720.581	901.473
200201	Green Biogradable Waste	1504.569	1372.34
200301	MSW Municipal Mixed Waste 15958.956		17314.3
200303	LDF Street Cleaning	626.949	56.92
200307	C&I Dry Mixed	17700.807	18517.28
	Total Received	105,517.447	
	Total Consigned		100,462.678
	Total Disposed		22,910.12
	Total Recovered		77552.558
	Recovery Rate (%)		77.20



Table 12 Waste Received & Consigned 2004 - 2016

Description	Total Received	Total Consigned
2016	87,154.13	84,900.67
2015	105,517.447	100,462.678
2014	80,987.80	79,850.41
2013	83,500.66	81,230.14
2012	92,484.12	87,448.73
2011	87,191	83,181
2010	74,694.50	68,868.59
2009	79,469.57	77,224.94
2008	133,813.88	129,366.26
2007	167,056.84	161,828.21
2006	79,570.21	80,725.68
2005	105,517.447	100,462.678
2004	80,987.80	79,850.41



# Section 6 Environmental incidents and complaints

# 6.1 Incidents

There were no reportable incidents on site in 2016.

# 6.2 Register of Complaints

SEHL maintains a register of complaints received in accordance with Condition 10.4 of the Licence. A copy of all complaints and responses are retained on site.

There were no complaints received in 2016.



# Section 7 ENVIRONMENTAL DEVELOPMENT

# 7.1 Environmental Management System

An Integrated Management System (IMS) has been implemented by SEHL in accordance with the requirements of Occupational Health and Safety Assessment Series (OHSAS) 18001:2007 and International Standard Organisation (ISO) 14001:2004 in order to manage the health, safety and environmental performance of their business.

The IMS has been developed to incorporate continual improvement, while constantly ensuring that all requirements of the Licence conditions are taken into account. SEHL has prepared and effectively implement documented procedures and instructions in accordance with the requirements of both OHSAS 18001:2007 and ISO 14001:2004.

A list of environmental, management, operating and maintenance procedures have been developed by SEHL as part of the IMS. Details of these procedures are outlined in Appendix 2.

The status of objectives and targets which were previously identified for 2016 and the proposed objectives and targets for 2017 are presented in Table 13 and Table 14.

### 7.1.1 Site Management

The management and staffing structure is outlined below:

Name: Donal Monahan

**Role:** Director of Operations

**Experience:** 15 years' experience waste management experience;

Name: Gwen Cooper

**Role:** Acting Facility Manager (until Sept 2016)

**Experience:** 10 years' experience; has completed the FÃS waste management course.

Name: Robert Hughes

**Responsibility:** Site Supervisor (until Sept 2016)

**Experience:** 13 years' experience in Waste Management.



Name: Bebhinn Brennan

Role: EHS Officer

**Experience:** 8 years experience; has completed the FAS Waste Management course

equivalent.

Name: Eanna Bailey

**Role:** Weighbridge Manager (site deputy)

**Experience:** Degree in Environmental Science

## **7.1.2** Staff Training

One staff member, Bebhinn Brennan, completed the FAS Waste Management course equivalent in 2016

# 7.2 Environmental Management Progression and Projected Programme

# 7.2.1 Progression of 2015 Objectives and Targets

The objectives and targets that were achieved during this reporting period are outlined in Table 7.1.

# 7.2.2 Projected 2016 Objectives and Targets

The projected targets and objectives for 2016 are presented in Table 7.2.



# Table 13 Progression of 2016 Objectives and Targets

No.	Objective	Target	Responsibility	Time scale
1	Increase awareness of Odour Management on site and group wide	Specify Odour detection in Site Inspection Database (EF-10A) on a daily basis and generate actions as appropriate	Site Management/EHS	On-going
2	Waste storage practices	Review waste storage practices on each site to ensure that they are in line with Licence conditions, fire prevention and insurance recommendations	Site Management/EHS	On-going
3	Emergency response procedures - ER pack update	Review the Emergency Response Pack on each site and ensure that all information & equipment required in case of an emergency is available. Confirm that relevant staff training adequately addresses.	Site Management/EHS	Completed
4	CRAMP, ELRA & Financial Provision	CRAMP, ELRA & Financial Provision to be reviewed	EHS team	Under review
5	Waste acceptance, classification & records	EWC training for all weighbridge ops. Centralisation of all Licences & permits incl NWCPs for hauliers.	EHS team	On-going
6	Pipeline integrity & bund testing    Arrange for integrity testing of pipelines and bunds as per Licence requirements.  Site Management/EHS		Pipelines completed. Bunds to be tested in 2017.	
7	Energy Audit Completed energy audit as per amended Licence conditions Site Management/EHS		Site Management/EHS	Completed
8	ISO 14001/OHSAS 18001 Completion of external ISO certification audit at the Recertification facility Site Management/EHS		Completed	
9	Surface Water Drainage	Review on-site surface water drainage and add protective grill mesh to vulnerable gullies.	Site Management/EHS	SW network being pumped to foul due to failure of the external network



# Table 14 Objectives and Targets for 2017

No.	Objective	Target	Responsibility	Time scale
1	Odour management	Ensure odour management plans are followed and potential new sources of odour are identified	Site management	Q1 - Q4
2	Fire prevention	Implement recs from Fire Risk Assessments Update ERP & APP Maintain fire detection equipment	Site management/EHS team	Q1 - Q4
3	Waste storage	Review waste storage practices on each site to ensure that they are inline with licence conditions, fire prevention and insurance recommendations	Site management/EHS team	Q1 - Q4
4	Waste acceptance, classification & records	EWC training for all weighbridge ops. Centralisation of all licences & permits inc NWCPs for hauliers.	EHS team	Q1 - Q4
5	CRAMP, ELRA & Financial Provision	CRAMP, ELRA & Financial Provision to be reviewed	EHS team	Q2
6	Lighting in MRF buildings	Clean & upgrade where required all light fittings in MRF buildings	Site management	Q3
7	NWCP exemptions	Implement NWCP exemption declarations	Site management	Q1 - Q4
8	Fire risk assessment	Implement FRA recommendations	Site management/EHS team	Q2
9	Submit licence review		EHS team	Q2/Q3
10	Replace wind sock		Site management	Q2
11	Storm water network	Investigate blockage in SW pipeline once external network operational again	Site management/EHS team	Q2-Q4
12	Bund tests	Bund tests due	EHS team	Q1



# 7.3 Communications Programme

A commitment has been made by SEHL to make its Environmental, Health & Safety Policy and other relevant records available to the public and interested parties. To facilitate this, a Communications Programme has been established by SEHL. This programme details how members of the public may access environmental information at the facility.

The following records are available for public inspection onsite:

- Environmental, Health & Safety Policy;
- IED Licence;
- Licence Application and Review documentation;
- Monitoring records;
- Complaints File; and
- EPA Correspondence File.

Members of the public may inspect any of the above records at the site between 9am and 4pm.

It is necessary to arrange visits to the site in advance of them taking place. This may be done by contacting the Facility Manager or Supervisor at 1890500 800.

### 7.4 Nuisance Controls

Greenstar has contracted a vermin control company Pestguard to carry out nuisance control at the facility. Pestguard undertake a 6 weekly review of the vermin activity on-site along with an inspection of the bait traps that are located throughout the facility.

# 7.5 Waste Recovery

The facility is designed to increase the recycling of biodegradable materials and reduce the volume of waste disposed to landfill. Of the 84,900 tonnes of waste consigned from the facility approximately 90% was sent for recovery.

# 7.6 DMP, ELRA & Financial Provision

A Decommissioning Management Plan (DMP) and Environmental Liabilities Risk Assessment (ELRA) including Financial Provision (FP) have been developed for the site and were submitted to the Agency in 2013. These have both been approved by the Agency and provision is in place with their agreement. A review of both reports will be completed in 2017.



# 7.7 Rainwater and Wastewater Volumes

No rainwater was reused at the facility in 2016. The grey water reuse system has been decommissioned. As it is not possible to give an exact figure for the amount of wastewater produced during 2016 an estimate of 6,000 m3 of water was used by the truck wash during the year.

Wastewater discharges to the municipal sewer serving the industrial estate. The sewer water then flows to a waste water treatment plant operated by Fingal County Council.



# Section 8 Other reports

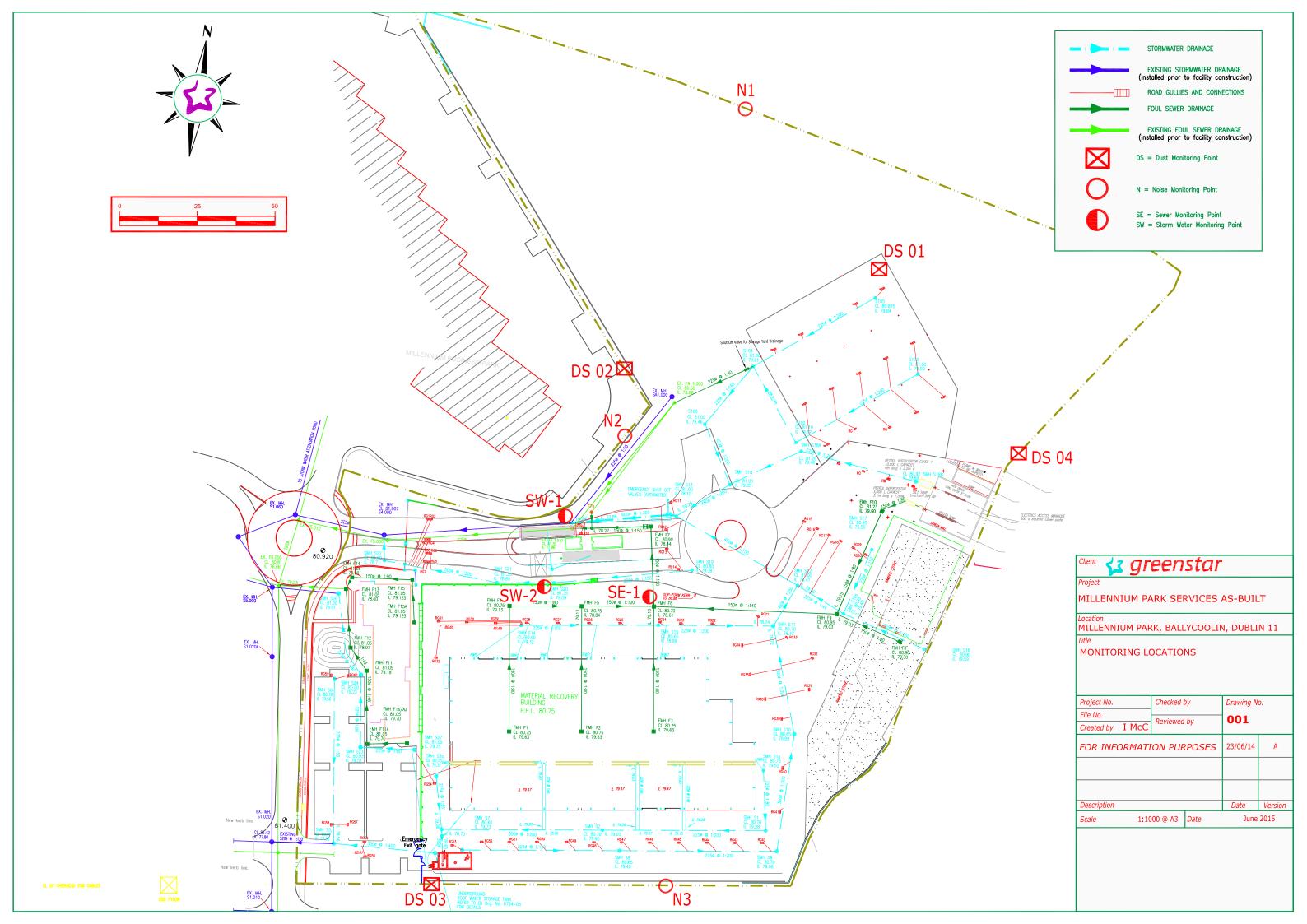
# 8.1 European Pollutant Release and Transfer Register

A copy of the EPRTR return submitted to the Agency via the web-based data reporting system is included in Appendix 3.



# Appendix 1: Sampling Locations





# Appendix 2: Integrated Management System







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Integrated Procedures - IP			
Document & Record Control Procedure	Rev 01, 28/04/14		
Health & Safety Risk Assessment Procedure	Rev 01, 28/04/14		
Environmental Aspects & Impacts Procedure	Rev 01, 28/04/14		
Legal & Regulatory Requirements Procedure	Rev 01, 28/04/14		
Objectives, Targets & Management Programmes Procedure	Rev 01, 28/04/14		
Competence, Training & Awareness Procedure	Rev 01, 28/04/14		
Communication & Consultation Procedure	Rev 01, 28/04/14		
Monitoring, Measurement & Improvement Procedure	Rev 01, 28/04/14		
Evaluation of Compliance Procedure	Rev 01, 28/04/14		
Non Conformances, Corrective/Preventive Actions Procedure	Rev 01, 28/04/14		
Internal Audit Procedure	Rev 01, 28/04/14		
Management Review Procedure	Rev 01, 28/04/14		
Control of Contractors/Visitors Procedure	Rev 01, 28/04/14		
Health & Safety & Environmental Monitoring	Rev 01, 28/04/14		
Emergency Preparedness & Response Procedure	Rev 01, 28/04/14		
Fire Prevention Procedure	Rev 01, 28/04/14		
Bin Washing Procedure	Rev 01, 28/04/14		
	Document & Record Control Procedure  Health & Safety Risk Assessment Procedure  Environmental Aspects & Impacts Procedure  Legal & Regulatory Requirements Procedure  Objectives, Targets & Management Programmes Procedure  Competence, Training & Awareness Procedure  Communication & Consultation Procedure  Monitoring, Measurement & Improvement Procedure  Evaluation of Compliance Procedure  Non Conformances, Corrective/Preventive Actions Procedure  Internal Audit Procedure  Management Review Procedure  Control of Contractors/Visitors Procedure  Health & Safety & Environmental Monitoring  Emergency Preparedness & Response Procedure  Fire Prevention Procedure		

Safety Prod	Safety Procedures - SP			
SP-01	Permit to Work Procedure	Rev 01, 28/04/14		
SP-02	Maintenance & Calibration Procedure	Rev 01, 28/04/14		
SP-03	Mobile Plant Procedure	Rev 01, 28/04/14		
SP <b>-</b> 04	Fork Truck Procedure	Rev 01, 28/04/14		
SP-05	Operation of Fixed Plant Procedure	Rev 01, 28/04/14		
SP-06	Lock Out / Tag Out Procedure	Rev 01, 28/04/14		
SP-07	Health & Safety Notification Procedure	Rev 01, 28/04/14		
SP-08	MSW Shredder routine Maintenance & Clearing of Blockages Procedure (SCGT)	Rev 01, 28/04/14		
SP-09	Weighbridge & Tipping Procedure (SCGT)	Rev 01, 28/04/14		
SP-10	Cleaning of Washing Bay (Greenogue)	Rev 01, 28/04/14		



Procedure Listing

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Environm	Environmental Procedures - EP			
EP-01	Office Waste & Energy Management Procedure	Rev 01, 28/04/14		
EP-02	Decommissioning and Aftercare Procedure	Rev 01, 28/04/14		
EP-03	Environment Communications Procedure	Rev 01, 28/04/14		
EP-04	Waste Permits & Licences Procedure	Rev 01, 28/04/14		
EP-05	Waste Acceptance Procedure	Rev 01, 28/04/14		
EP-06	Unacceptable Waste Procedure	Rev 01, 28/04/14		
EP-07	Waste & Material Storage Procedure	Rev 01, 28/04/14		
EP-08	Waste Processing Procedure	Rev 01, 28/04/14		
EP-09	Site Infrastructure Procedure	Rev 02, 06/05/15		
EP-10	Nuisance Management Procedure (Site Specific)	(Site Specific)		
		Rev 01, 28/04/14		
EP-11	Civic Amenity Site Procedure	Rev 01, 28/04/14		





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# Amendment History

Date	Amendment No.	Procedure No:	Revision No:	Comment	Authorised By
05.07.10	01	All	01	Initial Issue	M.D & O.C
13.09.10	02	EP-03	02	Issue of Incident Reports	M.D
20.09.10	03	IP-10	02	Env issues not logged on WIMS Database	M.D
29.10.10	04	IP-13	02	Use of M&M equipment by contractors	M.D & O.C
29.10.10	05	IP-14	02	Use of M&M equipment by contractors	M.D & O.C
29.10.10	06	SP-02	02	Inclusion of Maintenance Schedule	M.D & O.C
05.11.10	07	IP-04	02	Inclusion of other requirements	S.B & O.C
01.02.11	08	SP-08	01	Inclusion of new procedure	O.C
01.02.11	09	IP-10	03	Inclusion of SP-08	O.C
01.02.11	10	IP-15	02	Removal of SF-022	O.C
01.02.11	11	Contents	As shown	EP-10 Site Specific	M.D & O.C
01.02.11	12	IP-06	02	Addressing Agency Staff needs	M.D & O.C
01.02.11	13	Circ List	02	Amendment to document control	M.D & O.C
04.04.11	14	SP-02	03	Inclusion of Site Specific Maintenance schedules	O.C
07.06.11	15	IP-11	02	Inclusion of H&S & Env Internal Audit Schedules	M.D & O.C
14/09/11	16	EP-02	02	Inclusion of decommissioning of plant/equipment	S.B
15/09/11	17	IP-09	02	Inclusion of Statutory Inspections	O.C
01/12/11	18	SP-09	01	Inclusion of new procedure for SCGT	O.C
01/12/11	19	SP-10	01	Inclusion of new procedure for SCGT	O.C
03/05/12	20	SP-01	02	Amendment to remove SF 028	O.C
05/05/12	21	SP-11	01	Inclusion of a new procedure for Greenogue	O.C
28/05/12	22	IP-11	03	General Amendments to internal audit procedure	M.D & O.C
08/06/12	23	IP-13	03	Grammatical amendment	M.D & O.C
15/04/13	24	IP-06	03	Agency staff – sign-off record sufficient proof of training. TMS optional	M.D & O.C





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Approved By: Malcolm Dowling – Group Compliance Manager Page 4 of 5

Date	Amendment No.	Procedure No:	Revision No:	Comment	Authorised By
30/06/13	25	IP-16	01	Inclusion of new procedure	M.D.
09/09/13	26	IP-03	02	Use of Scannell Software Solutions (EnviroManager) instead of IF-03A	M.D & O.C
09/09/13	27	IP-04	30	Use of Scannell Software Solutions (EnviroManager) instead of IF-03A	M.D & O.C
09/09/13	28	IP-05	02	Use of Scannell Software Solutions (EnviroManager) instead of IF-03A	M.D & O.C
16/10/13	29	EP-03	03	Introduction of EPA ALDER Portal	K.B
28/04/14	30	All EP's & IP's	01	Change of Company name and review of all Integrated and Env procedures	M.D & O.C
28/04/14	31	SP's	01	Change of Company name and review of all safety procedures including renumbering & deletion of Motor Claim Notification Procedure – SP 08	o.c
06/05/15	32	EP-09	02	Ref to new form EF-11 added	SS





setting the standard		
Doc. No.: Control	Revision No.: 01	Issue Date: 28 <sup>th</sup> April 2014
Approved By:	Malcolm Dowling – Group Compliance Manager	Page 5 of 5

### Circulation List

The Integrated Procedures Manual is a controlled document. Copies of the Procedures Manual are available as follows;

Copy Number	Holder
1 (Master Copy)	Group H&S Manager
2	Greenstar EnviroManager
3	Greenstar Intranet – Electronic Copy

# Appendix 3: European Pollutant Release and Transfer Register





4. WASTE IMPORTED/ACCEPTED ONTO SITE

Do you import/accept waste onto your site for onsite treatment (either recovery or disposal

Guidance to completing the PRTR workbook

# **PRTR Returns Workbook**

Guidance on waste imported/accepted onto site

	Version 1.1.
REFERENCE YEAR	2016
FACILITY IDENTIFICATION	
I. FACILITY IDENTIFICATION	Starrus Eco Holdings Limited
	Starrus Eco Holdings Limited Starrus Eco Holdings Limited (Millenium Business Park)
PRTR Identification Number	
Licence Number	W0183-01
Classes of Activity	
	class_name
	Refer to PRTR class activities below
	,
Address 1	Millennium Business Park
Address 2	
	Ballycoolin
Address 4	
	Dublin
Country	
Coordinates of Location	
River Basin District	
NACE Code	
	Recovery of sorted materials
AER Returns Contact Name	
AER Returns Contact Email Address	
AER Returns Contact Position	
AER Returns Contact Telephone Number	353 (01) 274 6236
AER Returns Contact Mobile Phone Number	
AER Returns Contact Fax Number	353 (01) 282 9525
Production Volume	
Production Volume Units	
Number of Installations	
Number of Operating Hours in Year	
Number of Employees	
User Feedback/Comments	BOD, COD and FOG levels in the wastewater were greater than in 2015 but were within the ELVs on all occasions.
Web Address	
. PRTR CLASS ACTIVITIES	
Activity Number	Activity Name
0.1	General
(c)	Installations for the disposal of non-hazardous waste
0.1	General 1990
S. SOLVENTS REGULATIONS (S.I. No. 543 of 20	
Is it applicable?	
Have you been granted an exemption?  If applicable which activity class applies (as per	
Schedule 2 of the regulations) ?	
Is the reduction scheme compliance route being	
used ?	

activities) ?

This question is only applicable if you are an IPPC or Quarry site

### SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

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

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

Link to previous years emissions data

### **SECTION B: REMAINING PRTR POLLUTANTS**

	RELEASES TO AIR				Please enter all quantities in this section in KGs						
POLLUTANT			MET	THOD	QUANTITY						
			Method Used								
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Ac	ccidental) KG/Year	F (Fugitive) KG/Year		
					0.0		0.0	0.0	0.0		

<sup>\*</sup> 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			Please enter all quantities in this section in KGs						
POLLUTANT			ME	THOD	QUANTITY				
			Method Used						
Pollutant No.	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	

<sup>\*</sup> 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) KGlyr for Section A: Sector specific PRTR pollutants above. Please complete the table below:

### Starrus Eco Holdings Limited (Millenium Business

_andfill:	Park)
_angnii:	raik)

Please enter summary data on the quantities of methane flared and / or utilised			Meth	nod Used		
				Designation or	Facility Total Capacity m3	
	T (Total) kg/Year	M/C/E	Method Code	Description	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	

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

Data on ambient monitoring of storm/surface water or groundwater, conducted as part of your licence requirements, should NOT be submitted under AER / PRTR Reporting as this only co

<u> </u>			ibioni monitoring or					in itoporting do tino omy ot	
		Please enter all quantities in this section in KGs							
POLLUTANT					QUANTITY				
				Method Used					
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	
					(	10	0.0	0.0	

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

Link to previous years emissions data

SECTION B : REMAINING PRTR POLLUTANTS

				Please enter all quantities in this section in KGs					
POLLUTANT					QUANTITY				
				Method Used					
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	0.0	

<sup>\*</sup> 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)

	Please enter all quantities in this section in KGs								
POLLUTANT					QUANTITY				
				Method Used					
Pollutant No.	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	0.0	

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

### 4.3 RELEASES TO WASTEWATER OR SEWER Link to previous years emissions data. | PRTR#: W0183 | Facility Name: Starrus Eco Holdings Limited (Millenium Business Park) | Filename 06/04/2017 15:

### SECTION A: PRTR POLLUTANTS

	MENT OR	SEWER		Please enter all quantities in this section in KGs					
POLLUTANT		METHOD			QUANTITY				
				Method Used					
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	

<sup>\*</sup> 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)

SECTION B : REMAINING	OFFSITE TRANSFER OF POLLUTANTS DESTINED FO	NA CTE WATER TREATMENT OR	CEWED		Please enter all quantities i	n this costion in VCs		
	POLLUTANT  POLLUTANT	R WASTE-WATER TREATMENT OR		THOD	Please enter all quantities i		QUANTITY	
	1022077111			Method Used			20/11/11	
Pollutant No.	Name	M/C/E	Method Code		Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
238	Ammonia (as N)	М	PER	Based on estimate of water used in wheel wash. Analysis is ISO accredited.	143.63			
303	BOD	м	PER	Based on estimate of water used in wheel wash. Analysis is ISO accredited. Based on estimate of water	3463.55	3463.55	0.0	0.0
306	COD	М	PER	used in wheel wash. Analysis is ISO accredited.  Based on estimate of water	4503.31	4503.31	0.0	0.0
240	Suspended Solids	м	PER	used in wheel wash. Analysis is ISO accredited.	2484.0	2484.0	0.0	0.0
314	Fats, Oils and Greases	м	PER	Based on estimate of water used in wheel wash. Analysis is ISO accredited.	166.56	166.56	0.0	0.0
308	Detergents (as MBAS)	М	PER	Based on estimate of water used in wheel wash. Analysis is ISO accredited. Based on estimate of water	2.59	2.59	0.0	0.0
343	Sulphate	М	PER	used in wheel wash. Analysis is ISO accredited.	188.13	188.13	0.0	0.0

<sup>\*</sup> 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 | PRTR#: W0183 | Facility Nar

| PRTR# : W0183 | Facility Name : Starrus Eco Holdings Limited (Millenium Business Park) | Filename : W0183\_2016.xls | Return Year : 2016 |

06/04/2017 15:30

SECTION A : PRTR POLLUTANTS

	RELE	ASES TO LAND	Please enter all quantities in this section in KGs					
POLLUTANT			IV	ETHOD		QUANTITY		
			Method Used					
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	
						0.0	0.0	

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

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

	RELEASES TO LAND				Please enter all quantities	in this section in KG	S	
POLLUTANT		METHOD					QUANTITY	
			Meth	nod Used				
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental)	KG/Year
					0.0	)	0.0	0.0

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

Please enter all quantities on this sheet in Tonnes    Countity (Tonnes per Year)   Per Year)   Please enter all quantities on this sheet in Tonnes   Waste   Waste   Waste   Treatment   Code   Hazardous   Description of Waste   Treatment   Coperation   MCIE   Method Used   Location of Recover Disposer   Recover Disp	Name and License / Permit No. an Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)  BOC Gas Dublin_BluebellDublin	d Actual Address of Final Destination i.e. Final Recovery / Disposal Size (HAZARDOUS WASTE ONLY)
Ballymacken Ind. Estate Ballymacken Ind. Estate Agnial, TFS Broker Portuguity 15 01 01 No 1696.64 paper and cardboard packaging R3 M Weighed Offsite in Ireland IRE/AG11711 Laos, ireland IRE/AG17171 Fassaroe, Erray, Co.	BOC Gas	
Agnal, TFS Broker Portladise Within the Country 15 01 01 No 1696.64 paper and cardboard packaging R3 M Weighed Offsite in Ireland IRE/AG117/11 , Lackjeland Fassaroe, Bray, Co.	BOC Gas Dublin Bluebell Dublin	
Within the Country 15 01 01 No 16 02 paper and cardboard packaging R3 M Weighed Offsite in Ireland Grounds Limited W0053-03 Wickley Ireland	12,.,Ireland	Bluebell,.,Dublin 12,.,Ireland
Waterside Waterside		
Disley Stockport		
Northwood Recycling Cheshire To Other Countries 15 01 01 No 22.56 paper and cardboard packaging R3 M Weighed Abroad Ltd,IRE/G282/15 SK12 2HW, united kingdom Inn Road Dollingstown		
To Other Countries 15 01 01 No 268.44 paper and cardboard packaging R3 M Weighed Abroad Broker IRE/AG03291 united kingdom 12 The Triangle		
. Abditingham . Mark Lyndon Paper . Mark Lyndon Paper . Mottinghamshire NO2 To Other Countries 15 01 01 No 173.08 paper and cardboard packaging R3 M Weighed Abroad Enterprises.IRE/GO21/12 14E_United Kingdom Ballymount Road ,		
Within the Country 15 01 01 No 160.4 paper and cardboard packaging R3 M Weighed Offsite in Ireland Recycling,W0263-01 Dublin 12 Dublin, Ireland CallMark A8 Julia Bommen 3 C		
Lail birthering  Celimark, TFS Broker Sc. 40/39 Gothenburg Sc. 40/39 Got		
To Other Countries 15 01 01 No 1889.06 paper and cardboard packaging R3 M Weighed Abroad Broker IRE/G022/11 kingdom The Kipper		
Within the Country 15 01 01 No 439.46 paper and cardboard packaging R3 M Weighed Offsite in Ireland LLIJRE/AG16/1/17 land	re	
Peute paper Veeplat 40,3313, LJ TO Other Countries 15 01 01 No 601.88 paper and cardboard packaging R3 M Weighed Abroad Recycling IREIGO08/16 Drodrecht, Netherlands		
To Other Countries 15 01 01 No 162.82 paper and cardboard packaging R3 M Weighed Abroad Company, WHKER25004 Kingdom		
Saica Natur UK To Other Countries 15 01 01 No 3104.26 paper and cardboard packaging R3 M Weighed Abroad Limited, IRE/G277/15,United Kingdom		
TRC Recycling(Kilquade, Co. Within the Country 15 01 01 No 400.2 paper and cardboard packaging R3 M Weighed Offsite in Ireland Ltd.(IRE/GS85/15 Wicklow,,,Ireland	KMK Metals Recycling Limited,W0113-03	Cappincur Industrial Estate ,Daingean Road ,Tullamore , Co. Offaly.,ireland
VIPA LAUSANNE SA Galeries Benjamin-Constan	ıt	
To Other Countries 15 01 01 No 631.38 paper and cardboard packaging R3 M Weighed Abroad IRE/G1961/7 Switzerland Now 631.88 paper and cardboard packaging R3 M Weighed Abroad IRE/G1961/7 Switzerland The Kipper Materia Environment I House Solly, Kinsale, Cork, I	re	
Within the Country 15 01 02 No 96.6 plastic packaging R3 M Weighed Offsite in Ireland Ltd.IRE/AG16f1/17 land TRC Recycling		
Within the Country 15 01 02 No 11.72 plastic packaging R3 M Weighed Offsite in Ireland Ltd.IRE/G385/15 Widokow,_Ireland Widokow,_Ireland Widokow,_Ireland Widokow,_Ireland Widokow,_Ireland Widokow,_Ireland Widokow,_Ireland		
To Other Countries 15 01 02 No 45.74 plastic packaging R3 M Weighed Abroad Ltd,IRE/AG121/17United Kingdom Ballymacken Ind. Estate		
Agnal, ITS Broker Portinative Union the Country 15 01 02 No 539 225 plastic packaging R3 M Weighed Offsite in Ireland REP-CAG117/11 Laois, ireland Leinster Environmental/Eco WM Ltd, VIFP-414-09-004-004-004-004-004-004-004		
Within the Country 15 01 02 No 213.1 plastic packaging R3 M Weighed Offsite in Ireland 01 dundalkireland Environmen		
To Other Countries 15 01 02 No 45.86 plastic packaging R3 M Weighed Abroad Polymers,RE/G418/16United Kingdom Ballymacken Ind. Estate		
Agnal, TFS Broker ,Pontlacie , Mithin the Country 15 01 02 No 37.5 plastic packaging R3 M Weighed Offsite in Ireland (REAG117/11 , Lacis, ireland Sean Fox's Gery Stag TIA Euro Pallets Vart/Coolque, The		
Within the Country 15 01 03 No 402.72 wooden packaging R13 M Weighed Offsite in freland Solutions, Meath Ward, Co. Dublin, Ireland Ballymacken Ind. Estate , Sallymacken (Ind. Estate ,		
Within the Country 15 01 03 No 3.414 wooden packaging R13 M Weighed Offsite in Ireland IRE/AGI17/11 Lacisi, reland		
Within the Country 15 01 03 No 37.3 wooden packaging R13 M Weighed Offsite in Ireland Greenstar Limited, W0053-30 Wicklow, "Ireland		
Within the Country 15 01 04 No 2.8 metallic packaging R4 M Weighed Offsite in Ireland 0014-01 [reland		
Fassaroe, Brav.Co.	KMK Metals Recycling Ltd,W0113-03,Cappincur Industrial Estate,Daingean Road,Tullamore,Offaly,Irelar	Cappincur Industrial Estate,Daingean Road,Tullamore,Offaly,Irelan
Within the Country 15 01 06 No 2606.2 mixed packaging R13 M Weighed Offsite in Ireland Greenstar Limited,W0063-03 Wickdow, Jeland	d	d

									Dublin City	Merrywell Industrial Estate ,Ballymount Road Lower		
,	Vithin the Country	15.01.06	No	644.83 mixed packaging	R13	М	Weighed	Offsite in Ireland	Council/Ballymount MRF (Merrywell),W0238-01	,Ballymount ,Dublin 12 Dublin.,Ireland		
	num aic country	10 0 1 00	110	ooo mixee packaging	1110		rreigned	Onone in incland	(mony went), 110250 01	Nurendale (Rathdinagh),		
										Rathdrinagh ,Beauparc ,Navan County		
1	Vithin the Country	15 01 06	No	21.56 mixed packaging gases in pressure containers (including	R13	M	Weighed	Offsite in Ireland	Panda,W0140-02	Meath.,Ireland Broughan ,The Ward , Co.		Broughan ,The Ward , Co.
1	Vithin the Country	16 05 04	Yes	1.2 halons) containing dangerous substances	R4	M	Weighed	Offsite in Ireland	Abacus Fire & Safety,-	Dublin ,-,Ireland Fassaroe,Bray,Co.	Abacus Fire & Safety,-	Dublin ,-,Ireland
,	Vithin the Country	17 01 01	No	24.6 concrete	R13	M	Weighed	Offsite in Ireland	Greenstar Limited,W0053-03	WicklowIreland		
										Ballymacken Ind. Estate ,Ballymacken		
,	Vithin the Country	17 02 03	No	14.78 plastic	R13	М	Weighed	Offsite in Ireland	Agnail,TFS Broker	,Portlaoise ,Laois,ireland		
	,								Irish Packaging	Ballymount Road , Walkinstown ,Dublin 12		
,	Vithin the Country	17 02 03	No	13.9 plastic	R13	M	Weighed	Offsite in Ireland	Recycling,W0263-01	,Dublin.,Ireland		
									Materia Environment	The Kipper House, Scilly, Kinsale, Cork, Ire		
1	Vithin the Country	17 02 03	No	0.84 plastic	R13	M	Weighed	Offsite in Ireland	Ltd,IRE/AG161/17	land Roadstone		
				soil and stones other than those mentioned					Breffni Group Plant	Mullaghcrone,,Meath,Irelan		
- 1	Vithin the Country	17 05 04	No	2317.87 in 17 05 03 mixed construction and demolition wastes	R13	М	Weighed	Offsite in Ireland	Hire,WFP/MH/11/0003/01	d		
,	Vithin the Country	17 09 04	No	other than those mentioned in 17 09 01, 17 389.64 09 02 and 17 09 03	R13	М	Weighed	Offsite in Ireland	Greenstar Limited, W0053-03	Fassaroe, Bray, Co. Wicklow Ireland		
	,									Nurendale (Rathdinagh),		
				mixed construction and demolition wastes other than those mentioned in 17 09 01, 17						Rathdrinagh ,Beauparc ,Navan County		
1	Vithin the Country	17 09 04	No	1100.26 09 02 and 17 09 03	R13	M	Weighed	Offsite in Ireland	Panda,W0140-02	Meath.,Ireland Fassaroe,Bray,Co.		
1	Vithin the Country	19 12 07	No	12.59 wood other than that mentioned in 19 12 06	R13	M	Weighed	Offsite in Ireland	Greenstar Limited, W0053-03 Clonmel Waste Disposal Ltd	Wicklow,.,Ireland		
,	Vithin the Country	19 12 07	No	44.76 wood other than that mentioned in 19 12 06	R13	M	Weighed	Offsite in Ireland	,WP-008-02	Tipperary ,-,ireland		
										Nurendale (Rathdinagh) , Rathdrinagh ,Beauparc		
,	Vithin the Country	19 12 07	No	13.6 wood other than that mentioned in 19 12 06	P13	М	Weighed	Offsite in Ireland	Panda,W0140-02	,Navan County Meath.,Ireland		
	•									Fassaroe, Bray, Co.		
	Vithin the Country	19 12 09	No	28.64 minerals (for example sand, stones)	R13	М	Weighed	Offsite in Ireland	Greenstar Limited,W0053-03	Nurendale (Rathdinagh) ,		
										Rathdrinagh ,Beauparc ,Navan County		
,	Vithin the Country	19 12 09	No	306.0 minerals (for example sand, stones)	R13	M	Weighed	Offsite in Ireland	Panda,W0140-02	Meath.,Ireland		
									Breffni Group Plant	Roadstone Mullaghcrone,,Meath,Irelan		
	o Other Countries	19 12 09	No	105.39 minerals (for example sand, stones)	R13	М	Weighed	Abroad	Hire,WFP/MH/11/0003/01	d Nurendale (Rathdinagh),		
										Rathdrinagh ,Beauparc ,Navan County		
,	Vithin the Country	19 12 10	No	53.12 combustible waste (refuse derived fuel)	R13	M	Weighed	Offsite in Ireland	Panda,W0140-02	Meath.,Ireland		
										Nurendale (Rathdinagh) , Rathdrinagh ,Beauparc		
,	Vithin the Country	19 12 10	No	2963.779 combustible waste (refuse derived fuel)	R13	М	Weighed	Offsite in Ireland	Panda.W0140-02	,Navan County MeathIreland		
,	Vithin the Country	19 12 10	No	972.5 combustible waste (refuse derived fuel)	R1	м	Weighed	Offsite in Ireland	Lagan Cement,P0487-05	Killaskillen,Kinnegad,.,Meath, Ireland		
	•									Scotchtown ,Ballyconnell		
1	Vithin the Country	19 12 10	No	52.26 combustible waste (refuse derived fuel) other wastes (including mixtures of	R1	М	Weighed	Offsite in Ireland	Quinn Cement,P0378-02	,County Cavan,-,Ireland		
				materials) from mechanical treatment of wastes other than those mentioned in 19 12						Fassaroe,Bray,Co.		
,	Vithin the Country	19 12 12	No	64.16 11 other wastes (including mixtures of	R13	M	Weighed	Offsite in Ireland	Greenstar Limited, W0053-03			
				materials) from mechanical treatment of						Rathdrinagh ,Beauparc		
,	Vithin the Country	19 12 12	No	wastes other than those mentioned in 19 12 386.36 11	R13	M	Weighed	Offsite in Ireland	Panda,W0140-02	,Navan County Meath.,Ireland		
				other wastes (including mixtures of materials) from mechanical treatment of								
				wastes other than those mentioned in 19 12	0.0			0000000		Drehid Landfill,.,Carbury,Co		
1	Vithin the Country	19 12 12	No	76.02 11 other wastes (including mixtures of	D5	М	Weighed	Offsite in Ireland	Bord na Mona.,W0201-03	Kildare, Ireland		
				materials) from mechanical treatment of wastes other than those mentioned in 19 12					Eco Matress Recycling	133A,Glasnevin,Dublin,Dubli		
1	Vithin the Country	19 12 12	No	40.74 11 other wastes (including mixtures of	R13	М	Weighed	Offsite in Ireland	Ltd,WFP-DC-12-0032	n11,Ireland		
				materials) from mechanical treatment of						Carlanstown,,Duleek,Co		
,	Vithin the Country	19 12 12	No	wastes other than those mentioned in 19 12 21.88 11	R1	М	Weighed	Offsite in Ireland	Indaver IWMF,W0167-02	Meath, Ireland		
				other wastes (including mixtures of materials) from mechanical treatment of						Nurendale (Rathdinagh) , Rathdrinagh ,Beauparc		
,	Vithin the Country	10 12 12	No	wastes other than those mentioned in 19 12 1981.62 11	R13	М	Weighed	Offsite in Ireland	Panda,W0140-02	,Navan County Meath.,Ireland		
	Thank the Country	10 12 12	110	1501.02 11	1110		Trugica	Online in notario	1 41104,1101110 02	Waterside		
										,Disley ,Stockport		
	o Other Countries	20 01 01	No	26.94 paper and cardboard	R13	М	Weighed	Abroad	Northwood Recycling Ltd,IRE/G282/15	,Cheshire SK12 2HW,united kingdom		
									Irish Packaging	Ballymount Road , Walkinstown ,Dublin 12		
1	Vithin the Country	20 01 01	No	379.7 paper and cardboard	R13	М	Weighed	Offsite in Ireland	Recycling,W0263-01	,Dublin.,Ireland		
										Ballymacken Ind. Estate ,Ballymacken		
,	Vithin the Country	20 01 01	No	5962.59 paper and cardboard	R13	М	Weighed	Offsite in Ireland	Agnail,TFS Broker IRE/AG117/11	,Portlaoise ,Laois,ireland		
	,						_			Waterside .Disley		
									Nestronal Description	,Stockport		
	o Other Countries	20 01 01	No	3594.98 paper and cardboard	R13	М	Weighed	Abroad	Northwood Recycling Ltd,IRE/G282/15	,Cheshire SK12 2HW,united kingdom CellMark AB		
										,Lilla Bommen 3C		
									Cellmark.TFS Broker	,P O Box 11927 ,SE-404 39 Gothenburg		
٠	o Other Countries	20 01 01	No	500.88 paper and cardboard	R13	М	Weighed	Abroad	IRE/G180/11	,Sweden		

								Huhtamaki (Bailey Waste	Inn Road Dollingstown
								Recycling NI Ltd) ,TFS	,Lurgan ,County Armagh ,BT66 7JN
To Other Countries	20 01 01	No	244.88 paper and cardboard	R13	M	Weighed	Abroad	Broker IRE/AG032/11	united kingdom,
									Egerton House .Towers Business Park
									,Wilmslow Rd Didsbury
To Other Countries	20.04.04	No	1476.84 paper and cardboard	R13	М	Weighed	Abroad	MLM (ACN Europe) Ltd ,TFS Broker IRE/G022/11	,M/CR M20 2DX. ,united kingdom
							Abioau	Peute paper	Veeplat 40.3313.LJ
To Other Countries		No	1780.98 paper and cardboard	R13	M	Weighed	Abroad	Recycling,IRE/G006/16	,Drodrecht,Netherlands
Within the Country	20 01 01	No	741.86 paper and cardboard	R13	М	Weighed	Offsite in Ireland	Solutions,IRE/G443/17 VIPA LAUSANNE SA	.,,.,Ireland
									Galeries Benjamin-Constant
To Other Countries	20.04.04	No	1944.8 paper and cardboard	R13	М	Weighed	Abroad	,Broker's licence IRE/G195/17	1 ,1002 Lausanne , SwitzerlandSwitzerland
10 Onlei Countries	200101	NO	1544.0 paper and cardboard	KIS	101	Weighted	Abioau		
				D.00				Nurendale Limited,W0261-	Cappagh Road ,Cappogue ,
Within the Country	20 01 08	No	112.52 biodegradable kitchen and canteen waste	R13	М	Weighed	Offsite in Ireland	02 Clonmel Waste Disposal Ltd	Finglas ,Dublin 11 ,Ireland Lawlesstown , Clonmel ,Co.
Within the Country	20 01 08	No	972.84 biodegradable kitchen and canteen waste	R3	M	Weighed	Offsite in Ireland	,WP-008-02	Tipperary ,-,ireland
									Donegal Road
									,Pettigo
Within the Country	20.01.08	No	62.36 biodegradable kitchen and canteen waste	R3	М	Weighed	Offsite in Ireland	Envirogrind Ltd.WP0405	,Co Donegal Jreland Jreland
									Fassaroe, Bray, Co.
Within the Country	20 01 38	No	1798.86 wood other than that mentioned in 20 01 37	R13	М	Weighed	Offsite in Ireland	Greenstar Limited,W0053-03	Wicklow, Ireland Nurendale (Rathdinagh),
									Rathdrinagh ,Beauparc
		No	373.5 wood other than that mentioned in 20 01 37	D.0	М			D 1 1110110 00	,Navan County
Within the Country	20 01 38	No	373.5 wood other than that mentioned in 20 01 37	R13	M	Weighed	Offsite in Ireland	Panda,W0140-02 Clonmel Waste Disposal Ltd	Meath.,Ireland Lawlesstown , Clonmel ,Co.
Within the Country	20 01 38	No	340.94 wood other than that mentioned in 20 01 37	R3	M	Weighed	Offsite in Ireland	,WP-008-02	Tipperary ,-,ireland
									Ballymacken Ind. Estate ,Ballymacken
								Agnail,TFS Broker	,Portlaoise
Within the Country	20 01 39	No	4.896 plastics	R13	М	Weighed	Offsite in Ireland	IRE/AG117/11 Multi Metals,WFP-WW-09-	,Laois,ireland
Within the Country	20 01 40	No	1323.0 metals	R4	M	Weighed	Offsite in Ireland	0014-01	Blessington,Co Wicklow ,Ireland
•								Enrich Environmental,WMP	Kilcock Co.
Within the Country	20 02 01	No	1468.6 biodegradable waste	R3	М	Weighed	Offsite in Ireland	2004/57	Kildare,,Ireland
									Donegal Road
									,Pettigo ,Co Donegal
Within the Country	20 02 01	No	15.0 biodegradable waste	R3	M	Weighed	Offsite in Ireland	Envirogrind Ltd,WP0405	, Ireland, Ireland
									0. 10.10
Within the Country	20 02 01	No	53.39 biodegradable waste	R3	м	Weighed	Offsite in Ireland	Nurendale Limited,W0261- 02	Cappagh Road ,Cappogue , Finglas ,Dublin 11 ,Ireland
									Fassaroe, Bray, Co.
Within the Country	20 03 01	No	872.18 mixed municipal waste	R13	М	Weighed	Offsite in Ireland	Greenstar Limited,W0053-03	
								Nurendale Limited, W0261-	Cappagh Road ,Cappogue , Finglas ,Dublin 11 ,Ireland
Within the Country	20 03 01	No	33.86 mixed municipal waste	R13	М	Weighed	Offsite in Ireland	02	Finglas , Dublin 11 , Ireland
Within the Country	20 03 01	No	33.86 mixed municipal waste	R13	М	Weighed	Offsite in Ireland	02	Nurendale (Rathdinagh) , Rathdrinagh ,Beauparc
									Nurendale (Rathdinagh), Rathdrinagh, Beauparc .Navan County
Within the Country Within the Country		No No	33.86 mixed municipal waste  4.8 mixed municipal waste	R13	м	Weighed Weighed		02 Panda,W0140-02	Nurendale (Rathdinagh) , Rathdinagh ,Beauparc , ,Navan County , Meath ,Ireland
	20 03 01				М		Offsite in Ireland		Nurendale (Rathdrinagh) . Rathdrinagh Saeupiarc Navan County Meath, Ireland Drehot Landfilli, Carbury,Co Kildare Pleand
Within the Country	20 03 01	No	4.8 mixed municipal waste	R13	М	Weighed	Offsite in Ireland	Panda,W0140-02 Bord na Mona.,W0201-03	Nurendale (Rathdringh) , Rathdringh (Baupier , Navan County Meeth, Helsen)  Kidane, Helsen  Kidane, Heland  Kidane, Heland  Kidane, Heland
Within the Country	20 03 01 20 03 01	No	4.8 mixed municipal waste	R13	М	Weighed	Offsite in Ireland	Panda,W0140-02 Bord na Mona.,W0201-03 Ballynagran Landfill	Nurendale (Rallidrinagh) , Rathdrinagh, Beaupiare , Navan County Meeth, Ireland Defeld Landfill, Carbury, Co Ballynagran, Coobeg & Kilcandra, Co. Wicklow, Jreland
Within the Country Within the Country	20 03 01 20 03 01	No No	4.8 mixed municipal waste	R13	M M	Weighed Weighed	Offsite in Ireland Offsite in Ireland	Panda,W0140-02 Bord na Mona.,W0201-03 Ballynagran Landfill Ltd,W0165-02	Nurendale (Rathdrinagh) , Rathdrinagh Saeupiare , Navan County Meath, Ireland Drehld Landfill, Carbury,Co Kildare Ireland Ballynagna, Coolbeg & Killcandra, Co. Wicklow, Ireland Merrywell Industrial Estate
Within the Country Within the Country Within the Country	20 03 01 20 03 01 20 03 01	No No	4.8 mixed municipal waste 746.62 mixed municipal waste 2224.36 mixed municipal waste	R13 D5 D5	M M	Weighed Weighed Weighed	Offsite in Ireland Offsite in Ireland Offsite in Ireland	Panda,W0140-02 Bord na Mona,,W0201-03 Ballynagran Landfill Ltd,W0185-02 Dublin City Council/Ballymount MRF	Nurendale (Rathdrinagh) , Rathdrinagh (Baupupar) Navan County Derbid Landfill (Carbury, Co Klidare Instance) Klidare (Rathdrinagh) Richard (Ballymagna Coolbeg & Klicandria (Do. Micklow, Instance) Merrywell Industrial Estate Merrywell Industrial Estate Ballymagna (Doblin 12
Within the Country Within the Country Within the Country	20 03 01 20 03 01	No No	4.8 mixed municipal waste	R13	M M	Weighed Weighed	Offsite in Ireland Offsite in Ireland	Panda,W0140-02 Bord na Mona.,W0201-03 Ballynagran Landfill Ltd,W0165-02 Dublin City	Nurendale (Rathdrinagh) , Rathdrinagh , Bauppiare , Navan Courty Meath, Ireland Dreivid Landfill, Carbury, Co Kidate, Ireland Sallymagran Coolbeg & Kidate, Ireland Kidate, Ireland Meanyan Coolbeg & Meanda Coolb
Within the Country Within the Country Within the Country Within the Country	20 03 01 20 03 01 20 03 01 20 03 01	No No	4.8 mixed municipal waste 746.62 mixed municipal waste 2224.36 mixed municipal waste 118.93 mixed municipal waste	R13 D5 D5	M M	Weighed Weighed Weighed Weighed	Offsite in Ireland Offsite in Ireland Offsite in Ireland Offsite in Ireland	Panda,W0140-02 Bord na Mona.,W0201-03 Ballynagran Landfill Ltd,W0165-02 Dublin Ctd Council/Ballymount MRF (Merrywell),W0238-01	Nurendale (Rathdrinagh) , Rathdrinagh (Baupupar) Navan County Derbid Landfill (Carbury, Co Klidare Instance) Klidare (Rathdrinagh) Richard (Ballymagna Coolbeg & Klicandria (Do. Micklow, Instance) Merrywell Industrial Estate Merrywell Industrial Estate Ballymagna (Doblin 12
Within the Country Within the Country Within the Country	20 03 01 20 03 01 20 03 01 20 03 01	No No No	4.8 mixed municipal waste 746.62 mixed municipal waste 2224.36 mixed municipal waste	R13 D5 D5	M M M	Weighed Weighed Weighed	Offsite in Ireland Offsite in Ireland Offsite in Ireland Offsite in Ireland	Panda,W0140-02 Bord na Mona,W0201-03 Ballynagran Landfill Ltd,W0165-02 Dublin City (Merrywell),W0238-01 Indaver IWMF,W0167-02	Nurendale (Rathdrinagh) , Rathdrinagh , Baupupice , Navan Courby Meath, Ireland Debted in James (All Courber) Ballynagran Coolbeg & Klicandra Co. Wicklow , Ireland Mernywell Industrial Estate Ballymourt Road Lower Ballymourt Dublin 12 Dublin, Jeriand Meath Hold Lower Ballymourt Dublin 12 Dublin, Jeriand Meath Hold Lower Ballymourt Dublin 12 Dublin, Heindend Ballymourt Dublin 12 Meath Hollend Ballymourt Dublin 13 Dublin, Heindend Ballymourt Coolbeg &
Within the Country	20 03 01 20 03 01 20 03 01 20 03 01 20 03 01	No No No No	4.8 mixed municipal waste 746.62 mixed municipal waste 2224.36 mixed municipal waste 118.93 mixed municipal waste 13.247.4 mixed municipal waste	R13 D5 D5 R13	M M M	Weighed Weighed Weighed Weighed Weighed	Offsite in Ireland Offsite in Ireland Offsite in Ireland Offsite in Ireland	Panda,W0140-02 Bord na Mona,W0201-03 Ballynagran Landfill Ltd,W0165-02 Dublin City Councili Ballymount MRF (Merrywell),W0238-01 Indiwer IWMF,W0167-02 Knockhafey Landfill	Nurendale (Rathdrinagh) , Rathdrinagh, Bauppier Navan County Derbel Landfill, Carbury, Co Klidare Ireland Ballymagran, Coobeg & Klicandra, Coobeg & Klicandra, Coobeg & Klicandra, Coobeg & Ballymagran, Coobeg & Masth, Inteland Carlaristown, Dutleek, Co Masth, Inteland Masth, I
Within the Country Within the Country Within the Country Within the Country	20 03 01 20 03 01 20 03 01 20 03 01 20 03 01	No No No	4.8 mixed municipal waste 746.62 mixed municipal waste 2224.36 mixed municipal waste 118.93 mixed municipal waste	R13 D5 D5	M M M	Weighed Weighed Weighed Weighed	Offsite in Ireland Offsite in Ireland Offsite in Ireland Offsite in Ireland	Panda,W0140-02 Bord na Mona,W0201-03 Ballynagran Landfill Ltd,W0165-02 Dublin City (Merrywell),W0238-01 Indaver IWMF,W0167-02	Nurendale (Rathdrinagh) , Rathdrinagh (Baupupar) Navan County Navan County Derbel Landfill, Carbury, Co Kidare Ireland Ballynagran Coobeg & Kilacanfra, Co. Wickow, Ireland Metry well Industrial Metry well Industrial Ballymouran (Debin 12 Dubin, Ireland Ealymouran (Debin 12 Dubin, Ireland Ealymouran (Debin 2 Ballymouran (Debin 2 Ballymouran (Debin 3 Ballymouran (De
Within the Country	20 03 01 20 03 01 20 03 01 20 03 01 20 03 01	No No No No	4.8 mixed municipal waste 746.62 mixed municipal waste 2224.36 mixed municipal waste 118.93 mixed municipal waste 13.247.4 mixed municipal waste	R13 D5 D5 R13	M M M	Weighed Weighed Weighed Weighed Weighed	Offsite in Ireland Offsite in Ireland Offsite in Ireland Offsite in Ireland	Panda,W0140-02 Bord na Mona,W0201-03 Ballynagran Landfill Ltd,W0165-02 Dublin City Councili Ballymount MRF (Merrywell),W0238-01 Indiwer IWMF,W0167-02 Knockhafey Landfill	Nurendale (Rathdrinagh) , Rathdrinagh , Baupupier , Navan Courty Meath, Ireitand Diehle Landfilli, Carbury, Co Kidaru, Reland Kidaru, Reland Kidaru, Reland Kidaru, Reland Kidaru, Reland Kidaru, Reland Merrywell Industrial Estate Ballymount Road Lower Ballymount Dublin 12 Dublin, Ireitand Carlanstown, Dublek, Co Meath, Ireitand Ballymount, Road Courted Ballymount Road Courted Ballymount Road Lower United Road Lower Ballymount Road Lower
Within the Country	20 03 01 20 03 01 20 03 01 20 03 01 20 03 01 20 03 01	No No No No No	4.8 mixed municipal waste 746.62 mixed municipal waste 2224.36 mixed municipal waste 118.93 mixed municipal waste 13247.4 mixed municipal waste 3739.32 mixed municipal waste	R13 D5 D5 R13 R1 D5	M M M M	Weighed Weighed Weighed Weighed Weighed Weighed Weighed	Offsite in Ireland	Panda,W0140-02 Bord na Mona,,W0201-03 Ballynagran Landfill Ltd,W0165-02 Dublin Glay Council@Ballymount MRF (Mernywill,W0238-01 Indaver IVMF,W0167-02 Knochharley Landfill Ltd,W0165-02 Quality Reovoling Ltd	Nurendisel (Rathdrinagh) , Rathdrinagh, Baupupar Naroan County Derbel Landfill, Carbury, Co Klidare, Ireland Ballynagran, Coobeg & Kliscandra, Co. Meryout Industrial Estate Ballynagran, Coublen 12 Ballynagran, Coublen 12 Ballynagran, Coublen 12 Dublin, Ireland Loren 13 Ballynagran, Coublen 12 Dublin, Ireland Ballynagran, Coublen 2 Ballynagran, Coublen 2 Ballynagran, Coublen 3 Ballynagran, Coublen 4 Ballynagran, Coublen 5 Ballynagran
Within the Country	20 03 01 20 03 01 20 03 01 20 03 01 20 03 01 20 03 01	No No No No	4.8 mixed municipal waste 746.62 mixed municipal waste 2224.36 mixed municipal waste 118.93 mixed municipal waste 13.247.4 mixed municipal waste	R13 D5 D5 R13	M M M	Weighed Weighed Weighed Weighed Weighed	Offsite in Ireland Offsite in Ireland Offsite in Ireland Offsite in Ireland	Panda,W0140-02 Bord na Mona,,W0201-03 Ballynagran Landfill LLI,W0165-02 Dublin Gly Councill Ballymount MRF (Merrywell),W0238-01 Indaver IVMF,W0167-02 Knockharley Landfill LLI,W0165-02	Nurendale (Rathdrinagh) , Rathdrinagh , Baupupier , Navan County Meath, Ireland Meath, Ireland Meath, Ireland Meath, Ireland Meath, Reland Meath, Reland Meath, Reland Merywell Industrial Estate , Ballymourt, Doblen 12 , Ballymourt, Doblen 13 , Ballymourt, Doblen 14 , Ballymourt, Doblen 15 , Ba
Within the Country	20 03 01 20 03 01 20 03 01 20 03 01 20 03 01 20 03 01	No No No No No	4.8 mixed municipal waste 746.62 mixed municipal waste 2224.36 mixed municipal waste 118.93 mixed municipal waste 13247.4 mixed municipal waste 3739.32 mixed municipal waste	R13 D5 D5 R13 R1 D5	M M M M	Weighed Weighed Weighed Weighed Weighed Weighed Weighed	Offsite in Ireland	Panda,W0140-02 Bord na Mona,,W0201-03 Ballynagran Landfill Ltd,W0165-02 Dublin Glay Council@Ballymount MRF (Mernywill,W0238-01 Indaver IVMF,W0167-02 Knochharley Landfill Ltd,W0165-02 Quality Reovoling Ltd	Nurendale (Rathdrinagh) , Rathdrinagh , Baupupico , Navan Courty Meeth, Ireland Derled Landfill, Carbury, Co Ballynagran, Coobeg & Kilcandra, Co. Wickow, Jreland Merywell Industrial Estate , Ballymourt, Dublin 12 Dublin, Ireland Carlinationuri, Dublin 12 Dublin, Ireland Carlinationuri, Dublin 12 Dublin, Ireland Unit 6 Rosehill Industrial Estate Ballymourt, Coobeg & Kilcandra, Co. Wickow, Jreland Unit 6 Rosehill Industrial Estate Ballisten, Industrial Estate Ballisten, Industrial Estate Ballisten, Industrial Estate Ballisten, Industrial Estate Sallisten, Industrial Carbane Industrial Estate
Within the Country	20 03 01 20 03 01 20 03 01 20 03 01 20 03 01 20 03 01 20 03 01	No No No No No	4.8 mixed municipal waste 746.62 mixed municipal waste 2224.36 mixed municipal waste 118.93 mixed municipal waste 13247.4 mixed municipal waste 3739.32 mixed municipal waste	R13 D5 D5 R13 R1 D5 R13	M M M M M	Weighed Weighed Weighed Weighed Weighed Weighed Weighed	Offsite in Ireland	Panda,W0140-02 Bord na Mona,W0201-03 Ballynagran Landfill Lid,W0165-02 Dublin Cily Council@Ballymount MRF (Mernywill,W0238-01 Indaver IVMF,W0167-02 Knockharley Landfill Lid,W0165-02  Quality Recycling Ltd ,NWCPO-12-11065-02	Nurendale (Rathdrinagh) , Rathdrinagh (Baupuper) Navan County Navan County Derbid Landfill Carbury,Co Kidiave,Reland Ballynagran,Coobeg & Kilicandra,Coo Wickow, Jreland Menywell Industrial Estate Menywell Industrial Estate Ballynagran, Dublen C2 Dublin, Reland Carlanstown, Dublen C2 Dublin, Ireland Ballynagran,Coobeg & Kilicandra, Coo Weeth, Jesland Carlanstown, Dublen C2 Dublin, Reland Carlanstown, Dublen C4 Dublin, Rosabill Industrial Estate Ballinagran,Coobeg & Kilicandra,Co Wickow, Jreland Unit R Rosabill Industrial Estate Ballinagran Midiation, Co. Ock, Ireland Unit R Shapphends Division Midiation Co. Ock, Ireland Unit R Shapphends Division Meny BTS SLO Co.
Within the Country	20 03 01 20 03 01 20 03 01 20 03 01 20 03 01 20 03 01 20 03 01	No No No No No	4.8 mixed municipal waste 746.62 mixed municipal waste 2224.36 mixed municipal waste 118.93 mixed municipal waste 13247.4 mixed municipal waste 3739.32 mixed municipal waste	R13 D5 D5 R13 R1 D5	M M M M	Weighed Weighed Weighed Weighed Weighed Weighed Weighed	Offsite in Ireland	Panda,W0140-02 Bord na Mona,,W0201-03 Ballynagran Landfill Ltd,W0165-02 Dublin Glay Council@Ballymount MRF (Mernywill,W0238-01 Indaver IVMF,W0167-02 Knochharley Landfill Ltd,W0165-02 Quality Reovoling Ltd	Nurendale (Rathdrinagh) , Rathdrinagh , Baupupico , Navan Courty Meeth, Heiland Direhé Landfill, Carbury, Co Ballynagran Coobeg & Kilcandra, Co. Wickow, Jreland Merywell Industrial Estate Ballymourt, Dublin 12 Dublin, Heiland Dublin, Heiland Carfanstown, Dubleh Co Garfanstown, Dubleh Co Garfanstown, Dubleh Co Ballymourt Robert Ballynagran Coobeg & Kilcandra, Co. Wickow, Jreland Unit 6 Rosehill Industrial Estate Estate Ballinacurra Middelor, Co. Cork, Ireland Middelor, Co. Cork, Ireland Middelor, Co. Cork, Ireland Jestine Ballinacurra Middelor, Co. Cork, Ireland Middelor, Co. Cork, Ireland Jestine Ballinacurra Middelor, Co. Cork, Ireland Middelor, Co. Cork, Ireland Dennis Ballinacurra Middelor, Co. Cork, Ireland Middelor, Co. Cork, Ireland Dennis Ballinacurra Jestine Ballinacurra Middelor, Co. Cork, Ireland Middelor, Ballinacurra Jestine
Within the Country	20 03 01 20 03 01 20 03 01 20 03 01 20 03 01 20 03 01 20 03 01	No No No No No	4.8 mixed municipal waste 746.62 mixed municipal waste 2224.36 mixed municipal waste 118.93 mixed municipal waste 13247.4 mixed municipal waste 3739.32 mixed municipal waste	R13 D5 D5 R13 R1 D5 R13	M M M M M	Weighed Weighed Weighed Weighed Weighed Weighed Weighed	Offsite in Ireland	Panda,W0140-02 Bord na Mona,W0201-03 Balynagran Landfill Ltd,W0165-02 Dublin Otly Council@Ballymount MRF (Mernywell),W0238-01 Indaver IVMF,W0167-02 Knocharley Landfill Ltd,W0165-02  Quality Recycling Ltd ,NWCPO-12-11065-02  Re-Gen,-	Nurendisel (Rathdrinagh) , Rathdrinagh, Baupupar , Narvan County  Derhold Landfill, Carbury, Co Klidare Ireland Ballymagran, Coobleg & Kliscardra, Coo.  Klidare Ireland Ballymagran, Coobleg & Kliscardra, Coo.  Rickow, Install Ballymourt, Dubler, Co Cartaristow, Dubler, Co Cartaristow, Dubler, Co Cartaristow, Dubler, Co Cartaristow, Dubler, Co Mesth, Ireland  United Society, Ireland  Middleon, Co. Cock, Ireland  Unit?, Shephends Drive C, Carribane Industrial Estate  Newey (BTS & MO) Co.  Mewy (BTS & MO) Co.  Ballymacken Ind. Estate  Ballymacken Ind. Estate  Ballymacken Ind. Estate
Within the Country To Other Countries	20 03 01 20 03 01 20 03 01 20 03 01 20 03 01 20 03 01 20 03 01	No No No No No No	4.8 mixed municipal waste 746.62 mixed municipal waste 2224.36 mixed municipal waste 118.93 mixed municipal waste 13247.4 mixed municipal waste 3739.32 mixed municipal waste 37.02 mixed municipal waste	R13 D5 D5 R13 R1 D5 R13 R13	M M M M M	Weighed Weighed Weighed Weighed Weighed Weighed Weighed Weighed Weighed	Offste in Ireland	Panda,W0140-02 Bord na Mona,,W0201-03 Ballynagran Landfill Lut,W0165-02 Dublin City Council Ballynagran Landfill Lut,W0167-02 Knockharley Landfill Lut,W0167-02 Knockharley Landfill Lut,W0165-02 Quality Recycling Ltd "NWCPO-12-11065-02 Re-Gen Agnall,TFS Broker	Nurendale (Rathdrinagh) , Rathdrinagh , Baupupier , Navan County Meath. Heisand Dublin, Heisand Dublin, Heisand Dublin, Heisand Bailymagran, Coobleg & Kilcandra, Co. Wickow, Jreland Unit & Rosehill Industrial Estate Bailinacurra Middleton, Co. Cork, Ireland Unit & Rosehill Industrial Estate Bailinacurra Middleton, Co. Cork, Ireland Unit & Rosehill Industrial Bailinacurra Middleton, Co. Cork, Ireland Unit & Rosehill Industrial Bailinacurra Medideton, Co. Cork, Ireland Unit & Rosehill Industrial Bailinacurra Medideton, Co. Cork, Ireland Unit & Rosehill Industrial Bailinacurra Medideton, Co. Cork, Ireland Unit & Rosehill Industrial Bailingmacken Ind. Estate Bailymacken Portfacies
Within the Country	20 03 01 20 03 01 20 03 01 20 03 01 20 03 01 20 03 01 20 03 01	No No No No No	4.8 mixed municipal waste 746.62 mixed municipal waste 2224.36 mixed municipal waste 118.93 mixed municipal waste 13247.4 mixed municipal waste 3739.32 mixed municipal waste	R13 D5 D5 R13 R1 D5 R13	M M M M M	Weighed Weighed Weighed Weighed Weighed Weighed Weighed	Offsite in Ireland	Panda,W0140-02 Bord na Mona,W0201-03 Ballynagran Landfill Ltd,W0165-02 Dublin City Councell@allymount MRF (Merrywell),W0228-01 Indaver IWMF,W0167-02 Knockharley Landfill Ltd,W0165-02 Quality Recycling Ltd "NWCPO-12-11065-02 Re-Gen Agnail,TFS Broker IRE/AG117/11	Nurendiale (Rathdrinagh) , Rathdrinagh , Baupupic , Navan County Meath, Ireland Merywell Industrial Estate Ballymagran Coolbeg & Kilcandra, Co. Wicklow, Ireland Merywell Industrial Estate Ballymourt, Dublin 12 County of the Coolbeg
Within the Country	20 03 01 20 03 01	No No No No No No	4.8 mixed municipal waste 746.62 mixed municipal waste 2224.36 mixed municipal waste 118.93 mixed municipal waste 13247.4 mixed municipal waste 3739.32 mixed municipal waste 37.92 mixed municipal waste	R13 D5 D5 R13 R1 D5 R13 R13 R13	M M M M M M M M M M M M M M M M M M M	Weighed	Offsite in Ireland	Panda,W0140-02 Bord na Mona,W0201-03 Ballynagran Landfill Lall,W0165-02 Dublin City Council/Ballymount MIF (Mernywill,W0238-01 Indaver IVMF,W0167-02 Knockharley Landfill Ltd,W0165-02  Quality Recycling Ltd ,NWCPO-12-11065-02  Re-Gen- Agnal,TFS Broker (RE/AG177/11	Nurendiale (Rathdrinagh) , Rathdrinagh , Baupupare Navara County Navara County Derbid Landfill, Carbury,Co Kiddare, Ireland Ballymagran, Coobeg & Kilacandra, Co. Wicklow, Ireland Merrywell Industrial Estate Merrywell Industrial Estate Sallymagran, Dubelin 12 Dublin, Ireland Sallymagran, Coobeg & Kilacandra, Co. Wicklow, Ireland Sallymagran, Coobeg & Kilacandra, Co. Wicklow, Ireland Sallymagran, Coobeg & Kilacandra, Co. Wicklow, Ireland Unit & Rosehill Industrial Estate Ballinacuru Coot, Ireland Middelon, Co., Cork, Ireland Middelon, Co., Cork, Ireland Middelon, Co., Cork, Ireland Middelon, Co., Cork, Ireland Sallymagran, Coobeg & Sallymagran, Coobeg Salleandra, Co. Salleandra,
Within the Country	20 03 01 20 03 01	No No No No No No	4.8 mixed municipal waste 746.62 mixed municipal waste 2224.36 mixed municipal waste 118.93 mixed municipal waste 13247.4 mixed municipal waste 3739.32 mixed municipal waste 37.02 mixed municipal waste 21.4 mixed municipal waste 21.4 mixed municipal waste	R13 D5 D5 R13 R1 D5 R13 R13 R13 D5 D5	M M M M M M M M M M M M M M M M M M M	Weighed	Offsite in Ireland Abroad Offsite in Ireland	Panda,W0140-02 Bord na Mona,W0201-03 Ballynagran Landfill Lid,W0165-02 Dublin Gly CouncillBallymount MRF (Mernywell),W0238-01 Indaver IWMF,W0167-02 Knockharley Landfill Lid,W0165-02 Re-Gen,- Agnail,TFS Broker IREL/AG117/11	Nurendiale (Rathdrinagh) , Rathdrinagh , Baupupier , Navan County , Navan County , Demolt Landfill, Carbury, Co Kidizer, Jerland Ballynagran, Coobeg & Kilizendra, Co. Wickow, Jreland Merrywell Industrial Estate , Ballymouri Road Lower  Dublin, Ireland  Sallymouri Road Lower  Dublin, Ireland  Sallymouri Road Lower  Dublin, Ireland  Sallymouri Road Lower  Sallymouri Road Lower  Dublin, Ireland  Sallymouri Road Lower  Sallymouri Road Lower  Lower Sallymouri Coobeg & Kilicandra, Co. Wickow, Jreland  Unit Rosehill Industrial Estate  Sallinacurra  Midieton, Co. Cork, Ireland  Unit P. Snephents Drive  Carabhase Industrial Estate  Sallinacurra  Midieton, Co. Cork, Ireland  Unit P. Snephents Drive  Carabhase Industrial Estate  Sallinacurra  Midieton, Co. Cork, Ireland  Unit P. Snephents Drive  Carabhase Industrial Estate  Sallinacurra  Midieton, Co. Cork, Ireland  Unit P. Snephents Drive  Carabhase Industrial Estate  Sallinacurra  Midieton, Co. Cork, Ireland  Unit P. Snephents Drive  Lands in Feland  Ballymacken Ind. Estate  Ballymacken Ind. Estate  Jallymacken Coobeg &  Wicklow, Jeland  Frassaroe, Bray, Co.
Within the Country	20 03 01 20 03 01	No No No No No No	4.8 mixed municipal waste 746.62 mixed municipal waste 2224.36 mixed municipal waste 118.93 mixed municipal waste 13247.4 mixed municipal waste 3739.32 mixed municipal waste 37.92 mixed municipal waste	R13 D5 D5 R13 R1 D5 R13 R13 R13	M M M M M M M M M M M M M M M M M M M	Weighed	Offsite in Ireland Abroad Offsite in Ireland	Panda,W0140-02 Bord na Mona,W0201-03 Ballynagran Landfill Lell,W0165-02 Dublin City Council/Ballymount MIF (Mernywill,W0238-01 Indaver IVMF,W0167-02 Knockharley Landfill Ltd,W0165-02  Quality Recycling Ltd ,NWCP0-12-11065-02  Re-Gen- Agnal,TFS Broker (RE/AG177/11	Nurendisel (Rathdrinagh) , Rathdrinagh, Baupupar , Navan County  Derbid Landfill, Carbury, Co Klidare Ireland  Ballymagran, Cooleg & Klicandra, Coo.  Klidare Ireland  Ballymagran, Cooleg & Klicandra, Coo.  Ballymouri, Dublen 12  Dublin, Feland  Carlaristow, Juleek, Co Maeth, Helend  Medicher Cooleg & Klicandra, Coo.  Wicklow, Jieland  Unit & Rosehill Industrial  Easte  Easte  Midleton, Coo. Cock, Ireland  Unit? Shepherist Drive  Carrbane Industrial Estate  Newy (1973 & Sid. Coo.  Down, United Kingdom  John St. Sid. Co.  Down, United Kingdom  John John John St. Sid. Co.  Down, United Kingdom  John John John St. Sid. Co.  Down, United Kingdom  John John John St. Sid. Co.  Down, United Kingdom  John John John John John John John John
Within the Country	20 03 01 20 03 01	No	4.8 mixed municipal waste 746.62 mixed municipal waste 2224.36 mixed municipal waste 118.93 mixed municipal waste 13247.4 mixed municipal waste 3739.32 mixed municipal waste 37.02 mixed municipal waste 21.4 mixed municipal waste 21.4 mixed municipal waste	R13 D5 D5 R13 R1 D5 R13 R13 R13 D5 D5	M M M M M M M M M M M M M M M M M M M	Weighed	Offsite in Ireland Abroad Offsite in Ireland	Panda,W0140-02 Bord na Mona,W0201-03 Ballynagran Landfill Lid,W0165-02 Dublin Gly CouncillBallymount MRF (Mernywell),W0238-01 Indaver IWMF,W0167-02 Knockharley Landfill Lid,W0165-02 Re-Gen,- Agnail,TFS Broker IREL/AG117/11	Nurendiale (Rathdrinagh) , Rathdrinagh, Baupupier Natwan County Meath. Heisand Merywell Industrial Estate Ballymagran Coobeg & Kilcandra, Co. Wickiew, Heisand Merywell Industrial Estate Ballymagran Coobeg & Kilcandra, Co. Wickiew, Heisand Meath. Heisand Ballymagran Coobeg & Kilcandra, Co. Wickiew, Heisand Unit & Rosehill Industrial Estate Ballinacurra Midieton, Co. Cork, Heisand Unit & Rosehill Industrial Estate Ballinacurra Midieton, Co. Cork, Heisand Unit 7, Shepherds Drive Cambone Houtsurial Estate Alexeny Britis & Co. Cambone Houtsurial Estate Newny Britis & Co. Ballymagran Coobeg & Kilcandra, Co. Wickiew, Jesland Ballymagran Coobeg & Kilcandra, Co. Wickiew, Jesland Ballymagran, Coobeg & Kilcandra, Co. Wickiew, Jesland Ballymagran, Coobeg & Kilcandra, Co. Wickiew, Jesland Ballymagran, Coobeg & Kilcandra, Co. Wickiew, Jesland
Within the Country	20 03 01 20 03 01	No N	4.8 mixed municipal waste 746.62 mixed municipal waste 2224.36 mixed municipal waste 118.93 mixed municipal waste 13247.4 mixed municipal waste 3739.32 mixed municipal waste 37.92 mixed municipal waste 21.4 mixed municipal waste 21.4 mixed municipal waste 28.2 street-cleaning residues	R13 D5 D5 R13 R1 D5 R13 R13 R13 R13 R13 R13 P5 R13	M M M M M M M M M M M M M M M M M M M	Weighed	Offsite in Ireland	Panda,W0140-02 Bord na Mona,W0201-03 Ballynagran Landfill Ltd,W0165-02 Dublin City Cdurnell Ballymount MRF (Merrywell) W0238-01 Indaver IWMF,W0167-02 Knockharley Landfill Ltd,W0165-02  Quality Recycling Ltd "NWCPO-12-11065-02  Re-Gen,- Agnall,TFS Broker IRE/EG117/11 Knockharley Landfill Ltd,W0165-02  Greenstar Limited,W0053-03	Nurendiale (Rathdrinagh) , Rathdrinagh, Baupupier Natwan Country Meath. Heiland Merywell Industrial Estate Ballymagran, Coobeg & Kilcandra, Co. Wicklow, Heiland Merywell Industrial Estate Ballymount, Dublin 12 Carlierstown, Dubles, Co Meath. Heiland Ballymagran, Coobeg & Kilcandra, Co. Wickow, Heiland Unit & Rosehill Industrial Estate Ballimagran, Coobeg & Kilcandra, Co. Wickow, Heiland Unit & Rosehill Industrial Estate Ballimagran, Coobeg & Midleton, Co. Cork, Heland Unit 7, Shepherds Drive Carrbane Industrial Estate Newy 18136 SIO Co. Core, Heiland Corew, Lihand Kingdom Down, United Kingdom Ballymagran, Coobeg & Kilcandra, Co. Wickow, Fieland Fassatou, Bray, Co. Navarn Gallatidnagh), Rathdrinagh, Baeupara
Within the Country	20 03 01 20 03 01	No	4.8 mixed municipal waste 746.62 mixed municipal waste 2224.36 mixed municipal waste 118.93 mixed municipal waste 13247.4 mixed municipal waste 3739.32 mixed municipal waste 37.02 mixed municipal waste 21.4 mixed municipal waste 21.4 mixed municipal waste	R13 D5 D5 R13 R1 D5 R13 R13 R13 D5 D5	M M M M M M M M M M M M M M M M M M M	Weighed	Offsite in Ireland	Panda,W0140-02 Bord na Mona,W0201-03 Ballynagran Landfill Lid,W0165-02 Dublin Gly CouncillBallymount MRF (Mernywell),W0238-01 Indaver IWMF,W0167-02 Knockharley Landfill Lid,W0165-02 Re-Gen,- Agnail,TFS Broker IREL/AG117/11	Nurendiale (Rathdrinagh) , Rathdrinagh (Baupupar) Navan County Navan County Derbid Landfill, Carbury,Co Kidiare, Reland Ballynagran, Coobeg & Kilizandra, Co. Wickow, Jreland Menywell Industrial Estate Ballynagran, Dubels 12 Dubin, Reland Ballynagran, Coobeg & Kilizandra, Co. Wickow, Jreland Carinastown, Dubels 12 Dubin, Reland Carinastown, Dubels (Co Meath, Ireland Ballynagran, Coobeg & Kilizandra, Co. Wickow, Jreland Unit R, Rosehill Industrial Estate Ballinagran, Coobeg & Midleton, Co. Oork, Ireland Unit P, Rosehill Industrial Estate Ballinagran, Coobeg & Ballynagran, Cooper, Cooper, Ballynagran, Cooper, Ball
Within the Country	20 03 01 20 03 03 20 03 07	No N	4.8 mixed municipal waste 746.62 mixed municipal waste 2224.36 mixed municipal waste 118.93 mixed municipal waste 13247.4 mixed municipal waste 3739.32 mixed municipal waste 37.92 mixed municipal waste 21.4 mixed municipal waste 21.4 mixed municipal waste 28.2 street-cleaning residues	R13 D5 D5 R13 R1 D5 R13 R13 R13 R13 R13 R13 P5 R13	M M M M M M M M M M M M M M M M M M M	Weighed	Offsite in Ireland	Panda,W0140-02 Bord na Mona,W0201-03 Ballynagran Landfill Ltd,W0165-02 Dublin City Cdurnell Ballymount MRF (Merrywell) W0238-01 Indaver IWMF,W0167-02 Knockharley Landfill Ltd,W0165-02  Quality Recycling Ltd "NWCPO-12-11065-02  Re-Gen,- Agnall,TFS Broker IRE/EG117/11 Knockharley Landfill Ltd,W0165-02  Greenstar Limited,W0053-03	Nurendiale (Rathdrinagh) , Rathdrinagh, Baupupare Navan County Navan County Derbid Landfill , Carbury, Co Klidare, Jerland Ballymagran, Coobeg & Klizendra, Co. Wicklow , Jreland Morrywell Industrial Estate Ballymagran, Coobeg & Klizendra, Co. Wicklow , Jreland Morrywell Industrial Estate Ballymagran, Coobeg & Klizendra, Co. Westh, Jelend Ballymagran, Coobeg & Klizendra, Co. Wicklow , Jreland Unit R Rosehill Industrial Estate Ballinacurra Midieton, Co. Cork , Ireland Unit R Rosehill Industrial Estate Ballinacurra Midieton, Co. Cork , Ireland Unit R Shepherds Divise Ballinacurra Midieton Co. Cork , Ireland Unit R Shepherds Divise Ballinacurra Midieton Co. Cork , Ireland Unit R Shepherds Divise Ballinacurra Midieton Co. Cork , Ireland Unit R Shepherds Divise Ballinacurra Midieton Co. Cork , Ireland Unit R Shepherds Divise Ballymacken Ind. Estate Ballymacken Goobeg & Ballymacken Ind. Estate Ballymacken R Shepherds Nicklow , Ireland Fassaron Bray, Co. Wicklow , Ireland Niverno County Niverno County Niverno County Derbel Landfilli, Carbury, Co Kiddare , Feland
Within the Country	20 03 01 20 03 03 20 03 07	No N	4.8 mixed municipal waste 746.62 mixed municipal waste 2224.36 mixed municipal waste 118.93 mixed municipal waste 138.93 mixed municipal waste 339.32 mixed municipal waste 3799.32 mixed municipal waste 37.99 mixed municipal waste 21.4 mixed municipal waste 21.4 mixed municipal waste 21.5 mixed municipal waste 21.5 mixed municipal waste 21.6 mixed municipal waste	R13 D5 D5 R13 R13 R13 D5 R13 D5 R13	м м м м м м	Weighed	Offsite in Ireland	Panda,W0140-02 Bord na Mona,W0201-03 Ballynagran Landfill Ltd,W0165-02 Dublin Olly Council Ballymount MRF (Mernywill,W0238-01 Indaver IVMF,W0167-02 Knockharley Landfill Ltd,W0165-02  Quality Recycling Ltd NWCPO-12-11065-02  Re-Gen Agnal, TFS Broker IRE/AG11711 Knockharley Landfill Ltd,W0165-02  Greenstar Limited,W0053-03  Panda,W0140-02  Bord na Mona,W0201-03	Nurendisel (Rathdrinagh) , Rathdrinagh, Baupupar , Navan County  Maron County  Derbid Landfill, Carbury, Co Klidare Ireland  Ballymagran, Coobeg & Klicandra, Co.  Klicandra, Co.  Ballymagran, Coobeg & Klicandra, Co.  Ballymout, Dublen, Co Marath, Ireland  Carrianstown, Dublen, Co Marath, Ireland  Carrianstown, Dublen, Co Marath, Ireland  Unit & Rosehill Industrial  Estate  Micklow, Ireland  Unit & Rosehill Industrial  Estate  Dublin, Reshell Industrial  Estate  Dublin, Reshell Industrial  Estate  Ballymout, Dublen, Co Cord, Ireland  Unit & Rosehill Industrial  Estate  Estate  Ballymout, Dublen, Co Cord, Ireland  Unit & Rosehill Industrial  Estate  Ballymout, Dublen, Co Cord, Ireland  Unit & Shaphers Drive Carribane Industrial Estate  Newy 1873 & Sid Co. Down, United Kingdom  Ballymagran, Coobeg & Klicandra, Co.  Vilcklow, Ireland  Nurendiale (Rathdrinagh)  Rathdrinagh, Basupara  Navan, County  Navan, County  Klickow, Ireland  Nurendiale (Rathdrinagh)  Rathdrinagh, Basupara  Navan, County  Klidare, Ireland  Navan, County  Klidare, Ireland  Navan, County  Klidare, Reland  Ballynagran, Coobeg &  Klidare, Ireland  Navan, Leiland  Navan, Leiland  Navan, Leiland  Navan, Leiland  Navan, Leiland  Rathynagran, Coobeg &  Klidare, Reland
Within the Country	20 03 01 20 03 07 20 03 07	No N	4.8 mixed municipal waste 746.62 mixed municipal waste 2224.36 mixed municipal waste 118.93 mixed municipal waste 138.93 mixed municipal waste 339.32 mixed municipal waste 3799.32 mixed municipal waste 37.99 mixed municipal waste 21.4 mixed municipal waste 21.4 mixed municipal waste 21.5 mixed municipal waste 21.5 mixed municipal waste 21.6 mixed municipal waste	R13 D5 D5 R13 R13 R13 D5 R13 D5 R13	м м м м м м	Weighed	Offsite in Ireland	Panda,W0140-02 Bord na Mona,W0201-03 Ballynagran Landfill LallyW0165-02 Dublin City Council/Ballymount MIFF (Mernywill),W0238-01 Indawer IWMF,W0167-02 Knockharley Landfill Ltd,W0165-02  Quality Recycling Ltd ,NWCPO-12-11065-02  Re-Gen- Agnal, TFS Broker (RE/AG17711 Knockharley Landfill Ltd,W0165-02  Greenstar Limited,W0053-03  Panda,W0140-02  Bord na Mona,W0201-03  Ballynagran Landfill LallyW0165-02	Nurendiale (Rathdrinagh) , Rathdrinagh , Baupupare Narvan County Narvan County Derbid Landfill , Carbury, Co Klddare Ireland Ballymagran Coobeg & Klözenfrat Coo Wickow , Ireland Menrywell Industrial Estate Menrywell Industrial Estate Menrywell Industrial Estate Ballymagran Coobeg & Klözenfrat Coo Meath , Ireland Ballymagran Coobeg & Klözenfrat Coo Meath , Ireland Ballymagran Coobeg & Klözenfrat Coo Meath , Ireland Unit & Roseihill Industrial Estate Ballinacur Coobeg & Klözenfrat Coo Meath , Ireland Unit & Roseihill Industrial Estate Ballinacur Cook , Ireland Middletin , Coork , Ireland Middletin , Coork , Ireland Middletin , Coork , Ireland Ballymagran Coobeg & Middletin , Cooper , Ireland Ballymagran Coobeg & Klözenfrat Ballymacken Ind. Estate Ballymacken Ind. Es
Within the Country	20 03 01 20 03 03 20 03 07 20 03 07	No N	4.8 mixed municipal waste 746.62 mixed municipal waste 2224.36 mixed municipal waste 118.93 mixed municipal waste 13.247.4 mixed municipal waste 37.99.32 mixed municipal waste 37.99.32 mixed municipal waste 21.4 mixed municipal waste 21.4 mixed municipal waste 21.4 mixed municipal waste 21.4 mixed municipal waste 21.5 with waste 21.6 bulky waste 21.7 bulky waste 33.62 bulky waste 24.78 bulky waste	R13 D5 D5 R13 R1 D5 R13 R13 R13 D5	M M M M M M M M M M M M M M M M M M M	Weighed	Offsite in Ireland	Panda,W0140-02 Bord na Mona,,W0201-03 Ballynagran Landfill Lut,W0165-02 Dublin Gly Council@Ballymourt MRF (Merrywell),W0238-01 Indaver IVMF,W0167-02 Knochharley Landfill Ltd,W0165-02  Quality Recycling Ltd ,NWCPO-12-11065-02  Re-Gen. Agnail, TFS Broker IREL/AG117/11 Knochharley Landfill Ltd,W0165-02  Panda,W0140-02 Bord na Mona,,W0201-03  Bellynagran Landfill Ltd,W0165-02  Bellynagran Landfill Ltd,W0165-02  Bellynagran Landfill Ltd,W0165-02  Bellynagran Landfill Ltd,W165-02  Bellynagran Landfill Ltd,W165-02  Bellynagran Landfill Ltd,W165-02  Bollynagran Recycling	Nurendisel (Rathdrinagh) , Rathdrinagh , Baupupar , Narvan County  Derhold Landfill, Carbury, Co Klidare Ireland Ballymagran, Coobeg & Klicandra, Coo.  Klidare Ireland Ballymagran, Coobeg & Klicandra, Coo.  Ballymagran, Coobeg & Klicandra, Coo.  Ballymount Road Lower Ballymount Duble LC Dublin, Feland  Carlanstown, Dublek, Co Garlanstown, Dublek, Co Massh Ireland  United States Ballymount Coobeg & Klicandra, Coo Wicklow, Ireland  United States Ballymount Coobeg & Micklow, Ireland  United States Ballymount Coobeg & Ballymagran, Dublek, Co Micklow, Ireland  United States Ballymount Coobeg & Micklow, Ireland  United States Ballymount Coobeg & Ballymackers  Micklow Ireland  Unit 7, Shaphards Drive C, Carrbane Industrial Estate  Newny BTSS &U Co.  Ballymacken Industrial Estate  Newny BTSS &U Co.  Ballymacken Industrial Estate  Newny BTSS &U Co.  Ballymacken Industrial Estate  Ballymacken Industrial Estate  Newny BTSS &U Co.  Ballymacken Industrial Estate  Ballymacken Industrial Esta
Within the Country	20 03 01 20 03 03 20 03 07 20 03 07	No N	4.8 mixed municipal waste 746.62 mixed municipal waste 2224.36 mixed municipal waste 118.93 mixed municipal waste 13247.4 mixed municipal waste 3739.32 mixed municipal waste 37.02 mixed municipal waste 21.4 mixed municipal waste 21.4 mixed municipal waste 21.5 mixed municipal waste 21.6 mixed municipal waste 21.7 mixed municipal waste 21.8 mixed municipal waste 21.8 mixed municipal waste 21.9 mixed municipal waste 21.9 mixed municipal waste 21.1 mixed municipal waste 22.1 mixed municipal waste 23.1 mixed municipal waste 24.2 mixed municipal waste	R13 D5 R13 R1 D5 R13 R13 R13 R13 R13 R13 D5 R13	M M M M M M M M M M M M M M M M M M M	Weighed	Offsite in Ireland	Panda,W0140-02 Bord na Mona,W0201-03 Ballynagran Landfill LallyW0165-02 Dublin City Council/Ballymount MIFF (Mernywill),W0238-01 Indawer IWMF,W0167-02 Knockharley Landfill Ltd,W0165-02  Quality Recycling Ltd ,NWCPO-12-11065-02  Re-Gen- Agnal, TFS Broker (RE/AG17711 Knockharley Landfill Ltd,W0165-02  Greenstar Limited,W0053-03  Panda,W0140-02  Bord na Mona,W0201-03  Ballynagran Landfill LallyW0165-02	Nurendiale (Rathdrinagh) , Rathdrinagh , Baupupare Narvan County Narvan County Derbid Landfill , Carbury, Co Klddare Ireland Ballymagran Coobeg & Klözenfrat Coo Wickow , Ireland Menrywell Industrial Estate Menrywell Industrial Estate Menrywell Industrial Estate Ballymagran Coobeg & Klözenfrat Coo Meath , Ireland Ballymagran Coobeg & Klözenfrat Coo Meath , Ireland Ballymagran Coobeg & Klözenfrat Coo Meath , Ireland Unit & Roseihill Industrial Estate Ballinacur Coobeg & Klözenfrat Coo Meath , Ireland Unit & Roseihill Industrial Estate Ballinacur Cook , Ireland Middletin , Coork , Ireland Middletin , Coork , Ireland Middletin , Coork , Ireland Ballymagran Coobeg & Middletin , Cooper , Ireland Ballymagran Coobeg & Klözenfrat Ballymacken Ind. Estate Ballymacken Ind. Es
Within the Country	20 03 01 20 03 07 20 03 07 20 03 07 20 03 07 20 03 07	No N	4.8 mixed municipal waste 746.62 mixed municipal waste 2224.36 mixed municipal waste 118.93 mixed municipal waste 13247.4 mixed municipal waste 3739.32 mixed municipal waste 32.02 mixed municipal waste 27.92 mixed municipal waste 21.4 mixed municipal waste 21.4 mixed municipal waste 21.5 wisted municipal waste 21.6 wisted municipal waste 21.7 wixed municipal waste 21.8 wixed municipal waste 21.8 wixed municipal waste 22.9 wixed municipal waste 23.0 wixed municipal waste 24.7 wixed municipal waste 24.7 wixed municipal waste 24.7 wixed municipal waste 24.7 wixed municipal waste	R13 D5 D5 R13 R1 D5 R13 R13 R13 R13 R13 D5 R13 R13 D5 R13 R13 D5 R13	M M M M M M M M M M M M M M M M M M M	Weighed	Offsite in Ireland	Panda,W0140-02 Bord na Mona, W0201-03 Ballynagran Landfill Lid,W0165-02 Dublin Gly CouncillaBallymount MRF (Mernywell),W0238-01 Indawer IWMF,W0167-02 Knockharley Landfill Lid,W0165-02 Quality Recycling Ltd ,NWCPO-12-11065-02 Re-Gen,- Agnall,TFS Broker IREL/AG117/11 Knockharley Landfill Lid,W0165-02 Greenstar Limited,W0053-03 Ballynagran Landfill Lid,W0165-02 Bord na Mona, W0201-03	Nurendale (Rathdrinagh) , Rathdrinagh , Baupupar , Navan County  Navan County  Derbid Landfill , Carbury, Co Kidiave, Reland Ballymagran, Coobeg & Kilacandra, Co.  Wickow , Ireland Morrywell Industrial Estate Ballymagran, Coobeg & Kilacandra, Co.  Dubin , Reland  Estate Ballymagran, Coobeg & Kilacandra, Co.  Wickow , Ireland  Unit R Rosehill Industrial Estate Ballinacurra  Midiston , Co. Cork , Ireland  Unit R Rosehill Industrial Estate Ballinacurra  Midiston , Co. Cork , Ireland  Unit R Rosehill Industrial Estate Ballinacurra  Midiston , Co. Cork , Ireland  Unit R Rosehill Industrial Estate Ballinacurra  Midiston , Co. Cork , Ireland  Unit R Rosehill Industrial Estate Ballinacurra  Midiston , Co. Cork , Ireland  Unit R Rosehill Industrial Estate Ballinacurra  Midiston , Co. Cork , Ireland  Unit R Rosehill Industrial Estate Ballinacurra  Midiston , Co. Cork , Ireland  Unit R Rosehill Industrial Estate Ballinacurra  Midiston , Co. Cork , Ireland  Unit R Rosehill Industrial Estate Ballinacurra  Midiston , Co. Cork , Ireland  Unit R Rosehill Industrial Estate Ballinacurra  Midiston , Co. Cork , Ireland  Ballymagran Coobeg &  Wickow , Ireland  Ballymagran, Coobeg &  Kilacandra, Co.  Wickow , Ireland  Ballymagran, Coobeg &  Kilacandra, Co.  Wickow , Ireland  Ballymagran, Coobeg &  Capagagh Road , Cappogue ,
Within the Country	20 03 01 20 03 07 20 03 07 20 03 07 20 03 07 20 03 07	No N	4.8 mixed municipal waste 746.62 mixed municipal waste 2224.36 mixed municipal waste 118.93 mixed municipal waste 13.247.4 mixed municipal waste 37.99.32 mixed municipal waste 37.99.32 mixed municipal waste 21.4 mixed municipal waste 21.4 mixed municipal waste 21.4 mixed municipal waste 21.4 mixed municipal waste 21.5 with waste 21.6 bulky waste 21.7 bulky waste 33.62 bulky waste 24.78 bulky waste	R13 D5 D5 R13 R1 D5 R13 R13 R13 D5	M M M M M M M M M M M M M M M M M M M	Weighed	Offsite in Ireland	Panda,W0140-02 Bord na Mona, W0201-03 Ballynagran Landfill Lid,W0165-02 Dublin Gly CouncillaBallymount MRF (Mernywell),W0238-01 Indawer IWMF,W0167-02 Knockharley Landfill Lid,W0165-02 Quality Recycling Ltd ,NWCPO-12-11065-02 Re-Gen,- Agnall,TFS Broker IREL/AG117/11 Knockharley Landfill Lid,W0165-02 Greenstar Limited,W0053-03 Ballynagran Landfill Lid,W0165-02 Bord na Mona, W0201-03	Nurendise (Rathdrinagh) , Rathdrinagh, Baupupar , Navan County  Markan County  Derbid Landfill, Carbury, Co Klidare Ireland  Ballymagran, Coobeg & Klisandra, Coo.  Klisandra, Coo.  Ballymagran, Coobeg & Klisandra, Coo.  Ballymount, Dublin 12  Dublin, Ireland  Carlaristown, Dubles, Co Marth, Heland  Medit Heland  Unit 6 Rosehill Industrial  Easte  Easte  Midle Cook, Ireland  Unit 7 Shepharts Drive  Unit 7 Shepharts Drive  Carnbane Industrial Estate  Newy BTS & St. Coo  Down, United Kingdom  John St. Cook, Ireland  Louis 7, Shepharts Drive  Carnbane Industrial Estate  Newy BTS & St. Coo  Down, United Kingdom  John St. Cook, Ireland  Ballymagran, Coobeg &  Kilkandra, Co.  Down, United Kingdom  John St. Cook, Ireland  Jo

