## **OXIGEN ENVIRONMENTAL**



## **Annual Environmental Report 2012**

W0208-01

Materials Recovery Facility At Merrywell Industrial Estate Ballymount Road Lower Dublin 22

PREPARED BY, OXIGEN ENVIRONMENTAL

**MARCH 2013** 

#### Table of Contents

#### Introduction

| 1   | Facility Location, Description and Waste Activities  | 5  |
|-----|--|----|
| 1.1 | Description of the Site  |    |
| 1.2 | Waste Licenced Activities  |    |
| 1.3 | Waste Recovery Activities  |    |
| 2   | Emissions from the Facility  | 9  |
| 2.1 | Noise Monitoring Summary   |    |
| 2.2 | Monthly Foul Water Monitoring Results Summary  |    |
| 2.3 | Quarterly Surface Water Monitoring Results   |    |
| 2.4 | Bi-Annual Dust Monitoring Results  |    |
| 3   | Waste Management Record  | 12 |
| 3.1 | Maintenance  |    |
| 3.2 | Office Paper   |    |
| 3.3 | Canteen  |    |
| 4   | Quantity and Composition of Waste Recovered, Received and Disposed of During the Reporting Period. | 14 |
| 4.1 | Waste Received   |    |
| 4.2 | Waste Recovered, Recycled and Disposed   |    |
| 5   | Procedures Developed in 2012   | 20 |
| 5.1 | Environmental Management System Procedures   |    |
| 6   | Review of Nuisance Controls  | 22 |
| 7   | Resource Consumption Summary   | 24 |
| 8   | Energy Efficiency Audit Report Summary   | 28 |
| 9   | Complaints Summary   | 30 |
| 10  | Reported Incidents Summary   | 32 |
| 11  | Schedule of Environmental Objectives & Targets.  | 34 |

| 48 |
|----|
| 48 |
| 48 |
|    |
|    |
|    |
| 50 |
| 52 |
| 54 |
| 56 |
| 58 |
|    |

#### Introduction

Oxigen Environmental Ltd. (Oxigen) was granted waste licence W208-01 in March 2006 and began operating under this licence on 1<sup>st</sup> July 2006. Oxigen operate a dry recycling, C&D and general skip waste recovery facility at Merrywell Industrial Estate, Ballymount, Dublin 22. Oxigen also operate as a transfer station for Hazardous Waste, mainly asbestos.

In accordance with the requirements of Condition 11.8 of the waste licence, an Annual Environmental Report (AER) for the facility must be submitted to the Environmental Protection Agency (The Agency).

This is the seventh AER for the facility, covering the period from 1<sup>st</sup> January 2012 to 31<sup>st</sup> December 2012.

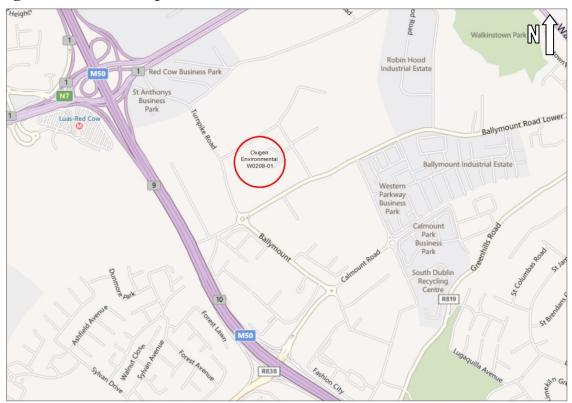
The Facility is located at:-

Oxigen Environmental Ltd, Merrywell Iendustrial Estate, Ballymount Road, Ballymount, Dublin 22.

Tel: (01) 4263118 Fax: (01) 4567192

The National Grid co-ordinates for the location of the facility are: E309627 N230736.

## 1. FACILITY LOCATION, DESCRIPTION AND WASTE ACTIVITIES



#### Figure 1.1 Location Map

Bing Maps 2013

### 1.1 Description of the Site

The site was historically used as a steel works operated by Corus Steel (formerly The Irish Steel Company), until 2003 when it was purchased by Oxigen. The site then operated under Waste Facility Permit number W041 issued by South Dublin County Council.

The total area of the site is thirteen acres. A technical amendment to the licence was granted in May 2008 to reduce the waste acceptance quantities by 100,000 tonnes and to reduce the site boundary.

The facility is part of the overall Ballymount Industrial Estate and is surrounded on all four sides by commercial/industrial units. Three roads border the site, the Turnpike Road, the other two roads are unnamed internal estate roads. The main entrance to the site is located to the northeast of the facility off one of the internal estate roads. The nearest residential dwelling is located approximately 180m north -west of the facility.

The site is zoned "E – to provide for enterprise, employment and related uses" under the County Development Plan 2004 - 2010.

Waste Licence Register No. W0208-01

The site is located within the River Liffey catchment, in the sub-catchment of the River Camac, via the Robinhood Stream. The bedrock consists of Calp Limestone and is overlaid by glacial till, which consists of firm to stiff sandy gravely clays with clasts present. The site is predominantly flat, with earth mound along the southern and western boundaries. The topographical level ranges from 59.27m OD to 64.48m OD, with the buildings heights being 72.97m OD.

The licensed waste handling activities, permitted under the Third and Fourth Schedule of the Waste Management Acts 1996 to 2005 are detailed below:

#### 1.2 Waste Licensed Activities

- Class 7 Physico-chemical treatment not referred to elsewhere in this schedule which results in final compounds or mixtures which are disposed of by means of any activity referred to in paragraphs 1 to 5 paragraphs 8 to 10 of this schedule (including evaporation, drying and calcination)
- *Class 11* Blending or mixture prior to submission to any activity referred to in a preceding paragraph
- *Class 12* Repackaging prior to submission to any activity referred to in a preceding paragraph of this schedule
- *Class 13* Storage of waste intended for submission to any activity referred to in a preceding paragraph of this schedule, other than the temporary storage, pending collection, on the premises where such waste is produced.

#### 1.3 Waste Recovery Activities

- *Class 2* Recycling or reclamation of organic substances which are not used as solvents (including and or biological processes)
- *Class 3* Recycling or reclamation of metals and metal compounds
- *Class 4* Recycling or reclamation of other inorganic materials
- *Class 11* Use of waste obtained from any activity referred to in a preceeded paragraph of this schedule

Oxigen Environmental Ltd., Merrywell Industrial Estate, Ballymount, Dublin 22

- *Class 12* Exchange of waste for submission to any activity referred to in a preceding paragraph of this schedule
- *Class 13* Storage of waste intended for submission to any activity referred to in a preceding paragraph of this schedule, other than temporary storage, pending collection, on the premises where such waste is produce.

## 2. Emissions from the facility

#### 2 Emissions from the Facility

All emissions from the facility in 2012 were monitored by BHP Laboratories Ltd. Foul water, surface water and dust were all monitored in 2012. The results of all monitoring have been summarised in the tables below. The full monitoring reports are available for inspection at the facility. There is a high level of compliance with the standards set in the licence.

#### 2.1 Noise Monitoring Summary

Noise monitoring was carried out on the 9<sup>th</sup> June 2009. The noise contribution made by operations at Oxigen did not exceed the daytime background limit by more than 10dB. The night time limit of 45dB was not breached by Oxigen's operations. There was no evidence of a tonal or impulsive component to the noise attributable to the plant operations.

#### 2.2 Foul Water Monthly Monitoring Results Summary 2012

| Parameter                 | Units       | ELV  | Jan   | Feb   | Mar   | Apr   | May   | Jun    | Jul   | Aug   | Sep   | Oct   | Nov    | Dec   |
|---------------------------|-------------|------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|--------|-------|
| Temperature               | *C          | 42   | 14.2  | 16.1  | 15.2  | 16.1  | 19.8  | 23.4   | 26.7  | 25.1  | 18.9  | 22.3  | 18.96  | 20.6  |
| рН                        | pH<br>Units | 6-10 | 7.12  | 8.75  | 7.73  | 7.03  | 7.31  | 7.91   | 8.6   | 6.89  | 7.14  | 8.72  | 7.58   | 7.86  |
| BOD                       | mg/l        | 1000 | 460   | 303   | 490   | 292   | 96    | 23.4   | 181   | 88    | 48    | 156   | 92     | 82    |
| COD                       | mg/l        | 3000 | 1000  | 588   | 631   | 515   | 185   | 25     | 245   | 197   | 96    | 263   | 268    | 182   |
| Total Suspended<br>Solids | mg/l        | 1000 | 52    | 407   | 590   | 137   | 93    | 78     | 69    | 85    | 22    | 70    | 98     | 120   |
| Sulphates (as SO4)        | mg/l        | 1000 | 49    | 41.6  | 72.8  | 40    | 34.6  | 34     | 52.1  | 9.2   | 38.1  | 73.9  | 40.62  | 48.32 |
| Oils, Fats & Grease       | mg/l        | 100  | 16    | 11    | 22    | 14    | 2     | 49.4   | <1    | <1    | <1    | 5     | 6      | <1    |
| Mineral Oils              | mg/l        | 10   | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <1     | <0.01 | <0.01 | <0.01 | <0.01 | <0.01  | <0.01 |
| Detergents                | mg/l        | 100  | 0.021 | 0.035 | 0.056 | 0.064 | 0.014 | 0.027  | 0.027 | 0.012 | 0.006 | 0.011 | 0.035  | 0.036 |
| Zinc                      | mg/l        | 5    | 0.014 | 0.03  | 0.02  | 0.126 | 0.036 | 0.006  | 0.016 | 0.036 | 0.036 | 0.042 | 0.05   | 0.056 |
| Copper                    | mg/l        | 5    | 0.005 | 0.018 | 0.016 | 0.089 | 0.054 | <0.001 | 0.052 | 0.022 | 0.024 | 0.067 | <0.001 | 0.126 |
| Flow                      | m3/hr       | 5    | 0.31  | 0.45  | 0.31  | -     | 0.57  | 0.84   | 0.48  | 0.21  | 0.31  | -     | -      | 0.51  |

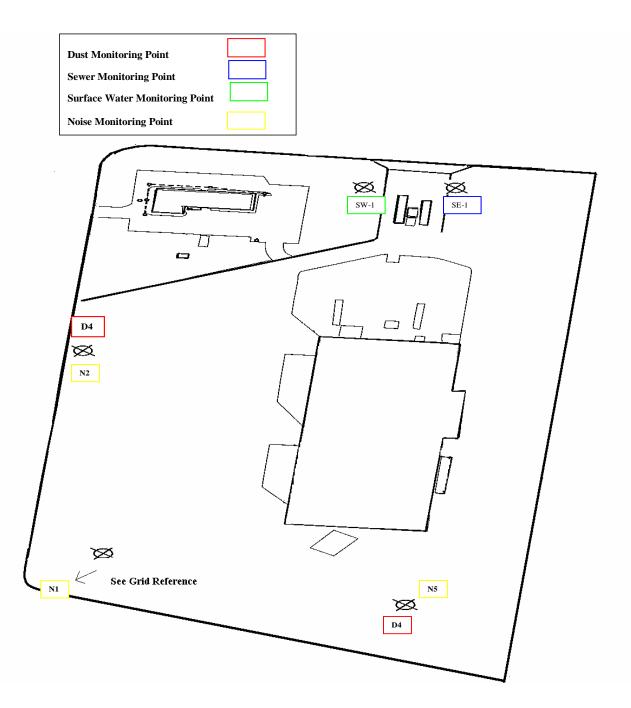
2.3 Quarterly Surface Water Monitoring Results Summary

| Parameters       | Units    | January | Мау   | September | November |
|------------------|----------|---------|-------|-----------|----------|
| Temperature      | *C       | 8.8     | 9.9   | 12.6      | 9.1      |
| рН               | pH units | 6.4     | 7.31  | 6.3       | 6.6      |
| Conductivity     | uScm -1  | 729     | 1395  | 759       | 950.0    |
| BOD              | mg/l     | 8       | 9     | 4         | 12.0     |
| COD              | mg/l     | 53      | 62.2  | 38        | 49.3     |
| Suspended Solids | mg/l     | 59      | 134   | 22        | 68.9     |
| Ammonia (as N)   | mg/l     | 0.42    | 1.82  | 1.9       | 1.5      |
| Mineral Oils     | mg/l     | <0.01   | <0.01 | <0.01     | <0.01    |

|                       | D1    | D2    | D3    |
|-----------------------|-------|-------|-------|
| Results 1 (March)     | 139   | 176.2 | 109.8 |
| Results 2 (August)    | 215.2 | 186.3 | 95    |
| Results 3 (September) | 15.6  | 25.6  | 17.64 |
| Results 4 (Oct)       | 48.5  | 35.9  | 26.3  |
| Results 5 (December)  | 139   | 176.2 | 109.8 |

#### 2.4 Bi annual Dust Monitoring Results Summary

Figure 3. Oxigen Ballymount Monitoring Locations



## 3. WASTE MANAGEMENT RECORD

#### 3 Waste Management Record

Oxigen Environmental Ballymount create various waste streams arising from the operation of the facility, mostly attributed to staff activity and maintenance. Oxigen ensure that recycling of each waste stream is promoted, through provision of facilities and through staff education.

#### 3.1 Maintenance

The waste arising from the mechanics shed consists of oily solid waste, waste oil, waste coolant, break fluid and lead acid batteries collected by an approved contractor for recycling.

#### 3.2 Office paper

The office paper waste arising in the office building is shredded and placed in the green recycling bins provided in each office. Bins are collected as part of a larger dry recyclables collection route carried out by Oxigen, and deposited at the Oxigen Ballymount Facility for segregation and recycling.

#### 3.3 Canteen Waste

Canteen waste which arises from the office building and the canteen in the processing shed is collected as part of a larger municipal waste collection route carried out by Oxigen and transferred to Oxigen, Robinhood facility. Green bins are also provided for recyclable canteen waste.

## 4. QUANTITY AND COMPOSITION OF WASTE RECOVERED, RECEIVED AND DISPOSED OF DURING THE REPORTING PERIOD.

# 4. Quantity and Composition of Waste Recovered, Received and Disposed of During 2012

4.1 Tonnage of Waste Received at Oxigen Ballymount for the period of 1<sup>st</sup> January to 31<sup>st</sup> December 2012

| Waste Description                     | EWC Code | Weights (Tonnes) |
|---------------------------------------|----------|------------------|
| DRY MIXED RECYCLING                   | 20 03 01 | 20791.06         |
| DUST FROM MECHANICAL TREATMENT        | 19 12 12 | 205.2            |
| GARDEN AND PARK (INC. CEMETARY) WASTE | 20 02 01 | 837.8            |
| GULLY SUCKER                          | 20 03 03 | 1353.7           |
| MIXED C & D EWC                       | 17 09 04 | 41466.33         |
| MIXED C&D (PROCESSED)                 | 19 12 12 | 606.52           |
| MIXED WEEE                            | 20 01 36 | 62.66            |
| S.R.F (SOLID RECOVERED FUEL)          | 19 12 10 | 293.96           |
| STREET SWEEPING                       | 20 03 03 | 3165.64          |
| MIXED PAPER WASTE                     | 20 01 01 | 5.48             |
| ORGANIC FINES                         | 19 12 12 | 1.66             |
| BULKY WASTE                           | 20 03 07 | 17001.08         |
| Total                                 |          | 85,791.09        |

#### Table 4.1.1 Total Mixed Waste Received 2012

| Waste Description         | EWC Code | Weights (Tonnes) |
|---------------------------|----------|------------------|
| ALUMINIUM                 | 15 01 04 | 35.76            |
| BROWN GLASS               | 15 01 07 | 138.36           |
| C&D FINES                 | 19 12 09 | 329.92           |
| CABLE                     | 17 04 11 | 19.58            |
| CARDBOARD                 | 15 01 01 | 4270.51          |
| CLEAR GLASS               | 15 01 07 | 255.16           |
| END OF LIFE TYRES         | 16 01 03 | 4.14             |
| FLAT GLASS                | 20 01 02 | 27.5             |
| FRAG FEED                 | 20 01 40 | 730.64           |
| FRIDGE FREEZERS           | 16 02 11 | 2.81             |
| GLASS EWC                 | 15 01 07 | 93.92            |
| GREEN BIODEGRAGABLE WASTE | 20 02 01 | 4158.43          |
| GREEN GLASS               | 15 01 07 | 248.3            |
| HARD PLASTIC              | 17 02 03 | 16.52            |
| PLASTERBOARD / GYPSUM     | 17 08 02 | 194.02           |
| PLASTIC BOTTLES           | 15 02 01 | 111.02           |
| PLASTIC PACKAGING         | 15 01 02 | 1228.48          |
| PLASTICS                  | 20 01 39 | 46.28            |
| POLYSTYRENE               | 15 01 02 | 2.86             |

Waste Licence Register No. W0208-01

2012 Annual Environmental Report, March 2013

| RUBBLE                | 17 01 07 | 7.72      |
|-----------------------|----------|-----------|
| SEAWATER FILTRATE     | 10 01 26 | 0.51      |
| SHREDDED PAPER        | 20 03 01 | 0.74      |
| STEEL CANS            | 15 01 04 | 21.28     |
| TETRAPAK              | 15 01 05 | 34.68     |
| TEXTILES              | 20 01 11 | 8.92      |
| TIMBER PACKAGING      | 15 01 03 | 1508.54   |
| WHITE PAPER           | 20 01 01 | 2.32      |
| WOOD                  | 20 01 38 | 1314.44   |
| BULKY HOUSEHOLD WASTE | 20 03 07 | 2.58      |
| Total                 |          | 14,815.94 |

## Table 4.1.3 Total Hazardous Waste Received 2012

| EWC<br>Code | Waste Type  | Weight<br>(Tonnes) |
|-------------|---|--------------------|
| 07 05 01*   | Aqueous washing liquids and mother liquids  | 0.50               |
| 07 05 13*   | Solid wastes containing dangerous substances  | 1.20               |
| 08 01 11*   | Waste paint and varnish containing organic solvents or other dangerous substances                     | 13.51              |
| 08 01 15*   | Aqueous Sludges containing paint or varnish containing organic solvents or other dangerous substances | 2.13               |
| 08 03 12*   | Waste ink containing dangerous substances   | 2.07               |
| 09 01 01*   | Water-based developer and activator solutions   | 1.92               |
| 13 02 08*   | Other engine, gear and lubricating oils   | 1.62               |
| 15 01 10*   | Packaging containing residues of or contaminated by dangerous substances                              | 0.19               |
| 15 02 02*   | Absorbents, filter materials, wiping cloths, protective clothing contaminated by dangerous substances | 0.91               |
| 16 05 04*   | Gases in pressure containers containing dangerous substances  | 10.08              |
| 16 05 08*   | Discarded organic chemicals consisting of or containing dangerous substances                          | 0.17               |
| 16 06 01*   | Lead Batteries  | 1.34               |
| 18 01 01*   | Sharps (except 18 01 03)  | 0.11               |
| 19 12 11*   | Other wastes from mechanical treatment of waste containing dangerous substances                       | 22.69              |
| 20 01 26*   |   | 1.72               |
| 20 01 27*   | Paint, inks, adhesives and resins containing dangerous substances                                     | 330.60             |
| 20 01 21*   | fluorescent tubes and other mercury-containing waste  | 0.05               |
| 20 01 32    | medicines other than those mentioned in 20 01 31  | 0.19               |
| 17 05 03*   | Soil and Stones Containing dangerous substances   | 1,161.36           |
| 17 06 01*   | Insulation materials containing asbestos  | 57.41              |
| 17 06 05*   | Construction materials containing asbestos  | 1,729.71           |
| 17 06 01*   | Insulation materials containing asbestos  | 2.90               |
|             | Total   | 3342.38            |

4.2 Tonnage of Waste Recovered, Recycled and Disposed of at Oxigen Ballymount for the period of 1<sup>st</sup> January to 31<sup>st</sup> December 2012

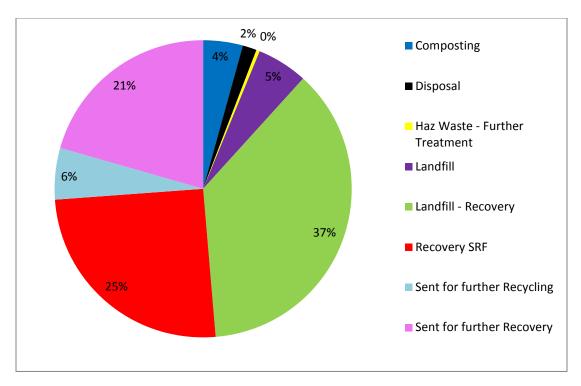


Fig 4.1 Chart illustrating waste sent off site.

Table 4.2.1 Tonnage of Waste Recycled 2012

| Waste Type            | EWC      | Weight<br>(Tonnes) |
|-----------------------|----------|--------------------|
| ALUMINIUM             | 15 01 04 | 64.70              |
| BROWN GLASS           | 15 01 07 | 114.84             |
| BULKY WASTE           | 20 03 07 | 16.34              |
| C&D FINES             | 19 12 09 | 256.72             |
| CARDBOARD             | 15 01 01 | 5,557.12           |
| CLEAR GLASS           | 15 01 07 | 329.24             |
| DRY MIXED RECYCLING   | 20 03 01 | 3,712.22           |
| END OF LIFE TYRES     | 16 01 03 | 32.44              |
| FRAG FEED             | 20 01 40 | 1,009.60           |
| GREEN GLASS           | 15 01 07 | 288.70             |
| HARD PLASTIC          | 17 02 03 | 108.06             |
| HAZ WASTE             | 20 01 27 | 0.18               |
| LEAD BATTERIES        | 20 01 33 | 0.64               |
| MIXED C & D           | 17 09 04 | 46.38              |
| PLASTERBOARD / GYPSUM | 17 08 02 | 5.34               |

Oxigen Environmental Ltd., Merrywell Industrial Estate, Ballymount, Dublin 22

| PLASTIC BOTTLES              | 15 02 01 | 770.60    |
|------------------------------|----------|-----------|
| PLASTIC PACKAGING            | 15 01 02 | 17.96     |
| S.R.F (SOLID RECOVERED FUEL) | 19 12 10 | 257.86    |
| SHREDDED FERROUS METAL       | 19 12 02 | 1,668.68  |
| SHREDDED PAPER               | 20 03 01 | 1.48      |
| STEEL CANS                   | 15 01 04 | 201.74    |
| TETRAPAK                     | 15 01 05 | 23.44     |
| WOOD                         | 20 01 38 | 1,465.96  |
| MIXED PAPER WASTE            | 20 01 01 | 6,151.60  |
| Total                        |          | 22,101.84 |

Table 4.2.2 Tonnage of Waste Recovered 2012

| Waste Type    | EWC      | Weight (Tonnes) |
|---------------|----------|-----------------|
| GAS CYLINDERS | 15 01 04 | 3.10            |
| HAZ WASTE     | 20 01 27 | 2,808.66        |
| MIXED WEEE    | 20 01 36 | 186.74          |
| WOOD          | 20 01 38 | 3,035.78        |
| Total         |          | 6,034.28        |

Table 4.2.3 Tonnage of Waste Recovered – Solid Recoverable Fuel (SRF)

| Waste Type                   | EWC      | Weight (Tonnes) |
|------------------------------|----------|-----------------|
| S.R.F (SOLID RECOVERED FUEL) | 19 12 10 | 27,052.02       |
| Total                        |          | 27,052.02       |

Table 4.2.4 Tonnage of Waste sent to Landfill (Cover/Capping)

| Waste Type    | EWC      | Weight (Tonnes) |
|---------------|----------|-----------------|
| CRUSHED STONE | 19 12 09 | 440.56          |
| C&D FINES     | 19 12 09 | 31,931.70       |
| RUBBLE        | 17 01 07 | 7,338.01        |
| Total         |          | 39,710.27       |

| Table 4.2.5 | <sup>T</sup> Onnage | of Waste | sent for | Incineration |
|-------------|---------------------|----------|----------|--------------|
|-------------|---------------------|----------|----------|--------------|

| Waste Type            | EWC      | Weight (Tonnes) |
|-----------------------|----------|-----------------|
| MIXED C&D (PROCESSED) | 19 12 12 | 104.56          |
| MT RESIDUE            | 19 12 12 | 1,541.00        |
| Total                 |          | 1,645.56        |

18

#### Table 4.2.6 Tonnage of Waste Disposed at Landfill

| Waste Type            | EWC      | Weight (Tonnes) |
|-----------------------|----------|-----------------|
| BULKY WASTE           | 20 03 07 | 287.74          |
| MIXED C&D (PROCESSED) | 19 12 12 | 5,638.64        |
| Total                 |          | 5,926.38        |

#### Table 4.2.7 Tonnage of Waste sent for Composting

| Waste Type                | EWC      | Weight (Tonnes) |
|---------------------------|----------|-----------------|
| GREEN BIODEGRAGABLE WASTE | 20 02 01 | 4,615.52        |
| WOOD                      | 20 01 38 | 15.50           |
| Total                     |          | 4,631.02        |

#### Table 4.2.8 Tonnage of Hazardous Waste sent Abroad for Treatment 2012

| Waste Type     | EWC      | Weight (Tonnes) |
|----------------|----------|-----------------|
| HAZ WASTE      | 20 01 27 | 109.84          |
| PAINT MATERIAL | 20 01 27 | 281.78          |
| Total          |          | 391.62          |

## 5. OPERATIONAL PROCEDURES DEVELOPED IN 2012

#### 5 Procedures Developed in 2012

#### 5.1 Environmental Management System Procedures Log

In compliance with the conditions of licence no. W0208-01, and in order to achieve the objectives and targets set out in the Oxigen Ballymount Facility Environmental Management System, procedures were initially developed by Oxigen in 2006. These procedures were developed in order to improve the Environmental Management System (EMS) and to achieve ISO 14001 Standard Certification. The EMS was reviewed and amended in 2008 and in May 2009, Oxigen was independently assessed and certified to the ISO14001 Standard by Certification Europe.

In May 2012, a recertification audit was carried out at the facility by certification Europe to determine whether the system continues to meet the requirement of the ISO14001 standard. The system was audited with success and the EMS continues to hold the ISO14001 accreditation. As a part of the continual development of the Environmental Management system and in preparation for recertification, new procedures were developed and many changes were also made to structure of the EMS. The structure of the EMS was amended to allow the system to become more user friendly and to allow record-keeping to be more efficient.

Changes to the EMS included restructuring of the layout of the system, new operational control procedures, updating record and register formats and the creation of a new EMS handbook.

All the procedures and components of the EMS are available for inspection at the facility.

## 6. REVIEW OF NUISANCE CONTROLS

#### 6. Review of Nuisance Controls

Eastern Pest Control (EPC) carried out the pest control at the facility in 2012. Daily and weekly inspections are carried out by the facility manager and the compliance officer on site, which highlight any nuisances on site, such as litter, pests, noise, flies, odour or dust. Should any such nuisances be recorded, then appropriate measures are undertaken. There are procedures in place to deal with any such nuisances at the facility.

In 2012, EPC visited the site 89 times to spray for flies, this was mainly in early spring and summer. Facility was not sprayed for flies at all in Jan and Dec due to cool weather conditions. In the months February, March October and November, the Ballymount facility was sprayed once per week and between April and September the facility was sprayed three times per week (Mon – Wed and Fri). Stock levels were kept as low as possible and the floor of the processing shed was cleared and cleaned regularly.

EPC visited the site on 12 occasions to monitor rodent activity onsite. Bait boxes were placed in strategic locations and were topped up as needed. Bait points were increased in 2012 in the Civic amenity site and in the mechanics shed. Nuisance control measures currently in place are found to be adequate.

EPC use a barcoding system at the Ballymount Site. All visits with regard to pest control are logged and signed off by use of a handheld device at time of site action. All visits to site will have a time and date stamp and a description of level of pest activity. The activity log can be accessed by Oxigen Environmental at any time and all records are available to the Agency upon request.

#### 7 **RESOURCE CONSUMPTION SUMMARY**

#### 7 Resource Consumption Summary

Oxigen Ballymount use gas oil, electricity and water in the operation of the facility. Waste processing operations on site do not require water. The main uses of water are for dust control, bin washing and truck washing.

Gasoil and electricity are the two forms of energy used on site. This energy is used to power machinery used in the processing of the waste and to illuminate the working area. Electricity is also used in the day to day staff activity for example lighting in common areas and water heating in canteen.

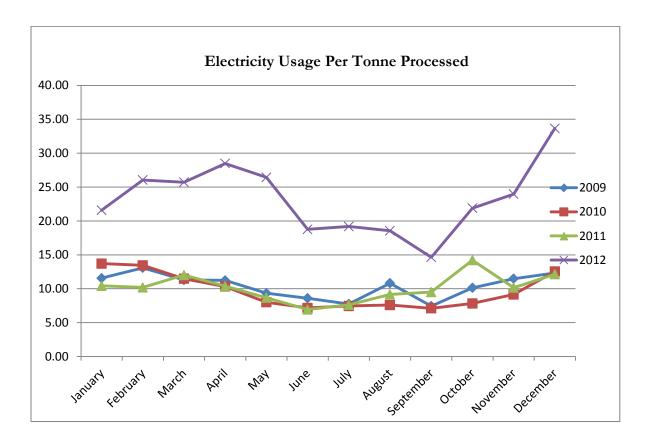
#### Table 7 Summary of resource consumption for the reporting period

| Site Resource Usage Jan - Dec 2012 | Quantity  | Units  |
|------------------------------------|-----------|--------|
| Gasoil                             | 259,852   | Litres |
| Electricity                        | 2,414,782 | kWh    |
| Water                              | 214,943   | Litres |

| 2012      | kWh     |
|-----------|---------|
| January   | 23,6288 |
| February  | 21,4761 |
| March     | 22,9865 |
| April     | 20,8423 |
| May       | 17,7280 |
| June      | 16,9709 |
| July      | 18,7873 |
| August    | 18,9016 |
| September | 18,3802 |
| October   | 19,3130 |
| November  | 21,4992 |
| December  | 20,9643 |

Table 7.1 Summary of Electricity Usage for the Reporting Period

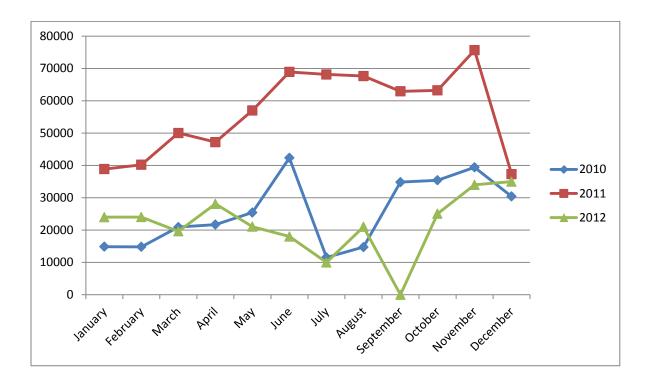
Figure 7.1 Graph of Electricity Usage Comparison 2011 and 2012



| Month     | Litres |
|-----------|--------|
| January   | 23999  |
| February  | 24034  |
| March     | 19625  |
| April     | 28101  |
| May       | 21065  |
| June      | 18000  |
| July      | 9997   |
| August    | 21000  |
| September | 0      |
| October   | 25053  |
| November  | 33998  |
| December  | 34980  |

Table 7.2 Summary of Diesel usage (litres) for the reporting period

Figure 7.2 Graph of Diesel Usage Comparison 2010, 2011 and 2012



## 8 ENERGY EFFICIENCY AUDIT REPORT SUMMARY

#### 8 Energy Efficiency Audit Report Summary

#### Change to Medium Voltage

Figure 7.1 shows the electricity usage from 2009 to 2012 per tonne processed. It can be seen that the usage in 2012 rose significantly from Jan 2012 onwards. Up until November 2011, two diesel generators were used on site to power the Construction and Demolition (C&D) line shredder and the Solid Recovered Fuel (SRF) plant. The generator powered the C&D shredder was a 500Kva generator and the SRF plant was powered with a 1200Kva generator. As the operation of these static machines relied on diesel throughout the years this resulted in the use of a significant amount of fuel per tonne processed. In April 2011, works commenced on a substation at the rear of the site, this involved in extensive upgrading a replacement of power cables on site. In November 2011, decommissioning phase of the diesel generators began and the substation was then commissioned bringing Medium Voltage power on site. The Diesel usage for static plant fell in December 2012 significantly as can be observed in Figure 7.2 and currently only the rolling plant on site are powered with diesel.

Oxigen Environmental are committed to reducing energy per tonne at the facility. The complete power needs of Oxigen Environmental is now served by fixed line infrastructure using 100% renewable sourced electricity, this has greatly reduced the carbon footprint of this site.

#### Lighting Upgrade

The lighting in the processing sheds were upgraded during 2012. The upgrade of the lighting consisted of replacement of existing lamp fitting with LED lamps to achieve a reduction in power consumption. The replacement of the existing lamps with LED's is thought to achieve a potential saving of at least 68%. The projected annual energy saving amounts to 329,167 kWh which is a 68% reduction. Using Irelands average emissions from electricity of 0.58 kgs of CO2 per kWh. This amount to a reduction in emissions from the facility amounts to 190.9 tons.

29

## 9. COMPLAINTS SUMMARY

30

#### 9 Complaints summary

All the issues relating to the complaints summarised below were rectified and closed out. The detailed complaints record is available for inspection at the facility.

| Number | Date       | Communication Method          | Issue             |
|--------|------------|-------------------------------|-------------------|
| 1      | 28/02/2012 | Fax from EPA                  | Odour             |
| 2      | 12/03/2012 | Telephone call from EPA       | Flies             |
| 3      | 22/03/2012 | Telephone call from EPA       | Odour             |
| 4      | 19/04/2012 | Email Direct from Complainant | Odour             |
| 5      | 19/04/2012 | Email Direct from Complainant | Odour             |
| 6      | 07/05/2012 | Email Direct from Complainant | Door on site open |
| 7      | 28/05/2012 | Email Direct from Complainant | Flies             |
| 8      | 20/06/2012 | Email Direct from Complainant | Odour             |
| 9      | 17/06/2012 | Email Direct from Complainant | Odour             |

### **10 REPORTED INCIDENTS SUMMARY**

#### 10 Reported Incidents Summary

There were two environmental incidents reported to the EPA during 2012. Both incidents were related to fires at the facility.

The first incident took place on May 20<sup>th</sup> 2012. Waste in the processing shed caught fire and resulted in damage to a baler, internal panels and some electrical cabling. Waste was removed from the shed to reduce risk of fire spreading and all waste was disposed of in accordance with the licence requirements. Fire water was retained onsite and disposed of offsite in accordance with the requests of South Dublin Co Co. The second incident took place on 13<sup>th</sup> Oct 2012. Waste in the processing shed caught fire and waste again was brought outside the processing shed to cool down and to stop fire from spreading. There was no damage to shed in this incident.

Both incidents were reported to the EPA and South Dublin Co Co immediately.

## 11. SCHEDULE OF ENVIRONMENTAL OBJECTIVES & TARGETS

#### 11. Schedule of Environmental Objectives & Targets

Oxigen Environmental began operating under Licence W0208-01 in July 2006. A schedule of environmental objectives & targets were submitted to the Agency under condition 2.2.2. (See Environmental Management Programme) as part of the facility's overall Environmental Management System. These objectives and targets have been reviewed as part of the Facility AER for 2012 and updated for 2013.

#### 11.1.0 Purpose

Under condition 2.2.2.2 of Waste License W0208-01, Oxigen Environmental Ltd. are required to propose a schedule of Objectives and Targets to ensure that the process of continual improvement of the facility's environmental performance is formalised and clearly set out. This schedule shall address a five-year period as a minimum.

The Objectives and Targets are set taking into account the significant environmental aspects and will be reviewed continually according to the Methodology for Review of Objectives and Targets to assess the compliance of the company with them. Upon review, new Objectives and Targets will be set and any modifications to those previously set will be made.

Objectives and Targets are set within the timescale of one year. Appropriate time-scales within the year are applied to each target.

The Schedules of Objectives and Targets over a five year period are displayed below.

| Objective | Description  | Target  |
|-----------|--|---|
| 1         | Reduction of tonnage to landfill to 18% from 20% in 2008 | 1.1 Commission new C&D plant.   |
|           |  | 1.2 Install wind shifter.   |
| 2         | Training   | 2.1 W.A.M.I.T.A.B   |
|           |  | 2.2 On site training in use of spill kits.  |
|           |  | 2.3 Continued environmental training as per<br>training schedule and individual training<br>programs as per new Environmental Training<br>Procedure |
| 3         | Site Upgrade   | 3.1 Assess and upgrade concrete hardstand – schedule for submission to EPA  |
|           |  | 3.2 Screen site.  |
|           |  | 3.3 Signage on site   |
| 4         | Site Security Programme                                  | 4.1 Install CCTV  |
|           |  | 4.2 Upgrade site fencing  |
| 5         | New Pest Control System                                  | 5.1 Install 3 probes in Dry recycling shed for<br>controlled application of insecticides over in<br>feed and loading bags.                          |

## Table 11.1 Summary of Objectives and Targets for W0208-01, 2009

| Objective | Description                          | Target  |
|-----------|--------------------------------------|---|
| 1         | Training                             | 1.1 Update Training Schedule                                |
| 2         | Site Upgrade                         | 2.1 Screen Site   |
| 3         | Energy Use Reduction                 | 3.1 Identify potential reductions from SEI<br>Report        |
|           |                                      | 3.2 Implement changes                                       |
| 4         | Provision of CA Site                 | 4.1 Obtain Planning to follow EPA approval                  |
|           |                                      | 4.2 Construct   |
| 5         | Upgrade Office Recycling System      | 5.1 Identify requirements & source equipment                |
|           |                                      | 5.2 Implement system and awareness program                  |
| 6         | Integrate Hazardous Waste Procedures | 6.1 Produce draft Hazardous Waste Procedures                |
|           | into EMS                             | 6.1 Implement and number as part of overall ISO14001 system |

Table 11.2 Summary of Objectives and Targets for W0208-01, 2010

| Objective | Description  | Target   |
|-----------|--|--|
| 1         | Reduce risk of Surface Water Pollution on<br>Site      | <ul><li>1.1 Install protective barrier at diesel tank.</li><li>1.2 Set up large static spill kit at diesel tank.</li></ul>   |
|           |  | 1.3 Divert surface water drainage from<br>under processing shed and install drainage<br>system at wood bay that will prevent<br>blockages occurring.   |
|           |  | 1.4 Carry out extensive drain survey   |
| 2         | Pest Control   | 2.1 Flies. Look into redesigning MRF to increase capacity to process dry recyclables more quickly. Increase to 28 tonnes per hour from 14.   |
|           |  | 2.2 Rodents. Introduce enhanced pest<br>control monitoring service to include bar<br>coding of all bait points and electronic<br>reporting to aid internal monitoring of pest<br>activity and establish on-site trends if any. |
| 3         | Reduce Water Usage                                     | 3.1 Investigate feasibility of harvesting rain water from processing shed roofs for use on site.   |
| 4         | Dust Control   | 4.1 Install sprinkler systems at corner of processing sheds to damp down site roadways in dry weather.   |
| 5         | Reduce waste produced and tonnage of waste to landfill | <ul><li>5.1 Divert all suitable residue to SRF Plant</li><li>5.2 Upgrade Dry Recycling plant to reduce</li><li>quantity of residue produced by 5%.</li></ul>   |
|           |  | 5.3 Introduce tyre pressure and<br>maintenance programme to increase life of<br>tyres and reduce the quantity of waste tyres<br>produced.  |
| 6         | Reduce Diesel Consumption                              | 6.1 Increase Maximum Import Capacity-<br>switch to medium voltage and remove<br>diesel generators.   |
|           |  | 6.2 Reduce road diesel consumption by 5% by managing tyre pressure in waste collection vehicles.   |

Table 11.3 Summary of Objectives and Targets for W0208-01, 2011

| Objective | Description   | Target   |
|-----------|---|--|
| 1         | Seal processing building to reduce risk of<br>fugitive dust and odours in the<br>surrounding area | <ul> <li>1.1 Source and install new doors for Dry<br/>Recycling Building</li> <li>1.2 Design and source materials for new<br/>wall to be erected at D4</li> <li>1.3 Construct new wall at D4</li> <li>1.4 Source and install new doors for C&amp;D<br/>shed</li> </ul>                               |
| 2         | Reduce Carbon Footprint   | 2.1 Carry out a lighting audit to reduce the energy usage from lighting in processing shed.  |
| 3         | Reduce risk of discharge to water   | <ul> <li>3.1 Source and install a Composite Sampler<br/>on site to increase accuracy of water<br/>monitoring</li> <li>3.2 Inspection of the existing hardstand<br/>within and around the processing<br/>building</li> </ul>  |
| 4         | Reduce risk of local nuisance in the surrounding area.  | <ul> <li>3.3 Works program established to remediate<br/>any issues with concrete hardstand</li> <li>4.1 Review Fly fogging at the facility,<br/>investigate alternative pesticide/review<br/>frequency</li> </ul>  |
|           |   | 4.2 Increase load inspection at facility by<br>employing a banksman to ensure that no<br>putrescible waste enters facility giving<br>rise to fly or odour nuisance.  |
|           |   | <ul> <li>4.3 Carry out audit on building fabric around offices within the Processing shed and seal as necessary to reduce fly nuisance in staff canteen and surrounding area.</li> <li>4.4 Carry out site works to site boundary and remove all unused vehicles to improve the aesthetics</li> </ul> |
| 5         | Increase Recycling/recovery rates   | <ul> <li>5.1 Research and investigate increasing<br/>recycling rates at the facility.</li> <li>5.2 Increase Quality Control on processing<br/>lines to increase segregation of materials<br/>and reduce level of contaminants to<br/>recover hard core.</li> </ul>                                   |

Table 11.4 Summary of Objectives and Targets for W0208-01, 2012

39

# Table 11.5 Summary of Objectives and Targets for W0208-01, 2013

| Objective | Description  | Target   |
|-----------|--|--|
| 1         | Seal processing building to<br>reduce risk of fugitive dust<br>and odours in the<br>surrounding area | 1.1 Install new Door at D4 and complete building of wall adjacent  |
| 2         | Reduce Fuel Consumption  | 2.1 To implement new forklifts onsite to reduce fuel consumption   |
| 3         | Reduce risk of discharge to  | 3.2 Inspection of the existing hardstand within and around the processing building   |
| 3         | water  | 3.3 Works program established to remediate any issues with concrete hardstand  |
| 4         | Reduce risk of local<br>nuisance in the<br>surrounding area.   | <ul><li>4.1 Carry out landscaping around the perimeter of the site to screen facility to improve aesthetics</li><li>4.2 To install a weather station at the Ballymount site to work to aid in investigating odours and verify any odour complaints that may occur.</li></ul> |
|           |  |  |
| 5         | Increase<br>Recycling/recovery rates   | 5.1 To introduce a production report on site to assess<br>weekly the production on the C&I and Dry Recyclable<br>line.   |
|           | Increase Environmental<br>Performance on Site  | 5.1 Research and identify training needs of Key members of staff   |
| 6         |  | 5.2 . Bespoke training to be carried out with key<br>members of staff to increase environmental awareness<br>on site. All training to be approved by the EPA and in<br>compliance with licence requirements  |
|           |  | 5.3 Environmental Education of our customer base and increase awareness with regard to recovery.   |

# 12. Environmental Management Programme

# 12. Environmental Management Programme

# 12.1- Report for previous year.

A summary report on the EMP set out for 2012 is outlined below.

# **Objectives and Targets Schedule for 2012**

| Description  | Description Target  |          |
|--|---|----------|
|  | <b>1.1</b> Source and install new doors for Dry Recycling Building  | Complete |
| Seal processing building   | <b>1.2</b> Design and source materials for new wall to be erected at D4   | Complete |
| to reduce risk of fugitive<br>dust and odours in the<br>surrounding area | <b>1.3</b> Construct new wall at D4   | On-going |
|  | 1.4 Source and install new doors for C&D shed   | On-going |
| Reduce Carbon<br>Footprint   | <b>2.1</b> Carry out a lighting audit to reduce the energy usage from lighting in processing shed.                          | Complete |
|  | <b>3.1</b> Source and install a Composite Sampler on site to increase accuracy of water monitoring                          | On-going |
| Reduce risk of discharge<br>to water                                     | <b>3.2</b> Inspection of the existing hardstand within and around the processing building                                   | Complete |
|  | <b>3.3</b> Works program established to remediate any issues with concrete hardstand  | Complete |
| Reduce risk of local<br>nuisance in the<br>surrounding area.             | <b>4.1</b> Review Fly fogging at the facility, investigate alternative pesticide/review frequency                           | Complete |
|  | <b>4.2</b> Increase load inspection at facility by employing a banksman to ensure that no putrescible waste enters facility | Complete |

42

|                                       | giving rise to fly or odour nuisance.   |          |
|---------------------------------------|---|----------|
|                                       | <b>4.3</b> Carry out audit on building fabric around offices within the Processing shed and seal as necessary to reduce fly nuisance in staff canteen and surrounding area. | Complete |
|                                       | <b>4.4</b> Carry out site works to site boundary and remove all unused vehicles to improve the aesthetics   | On-going |
| Increase<br>Describes (response rates | <b>5.1</b> Research and investigate increasing recycling rates at the facility.   | On-going |
| Recycling/recovery rates              | <b>5.2</b> Increase Quality Control on processing lines to increase segregation of materials and reduce level of contaminants to recover hard core.                         | Complete |

**OBJECTIVE 1:** Seal processing building to reduce risk of fugitive dust and odours in the surrounding area

| Floject Summary | Project | Summary |
|-----------------|---------|---------|
|-----------------|---------|---------|

1.1 Source and install new doors for Dry Recycling Building COMPLETE

1.2 Design and source materials for new wall to be erected at D4 COMPLETE

1.3 Construct new wall at D4 ONGOING

1.4 Source and install new doors for C&D shed **ONGOING** 

Designation of Responsibility: Operations Team

### **Progress Report**

New rapid shutter doors were installed at the dry recycling building. Wall at D4 erected however door at D4 not constructed at development plans for the facility were altered. The development works at the facility will be altered pending License review.

### **OBJECTIVE 2:** Reduce Carbon Footprint

### **Project Summary**

2.1 Carry out a lighting audit to reduce the energy usage from lighting in processing shed. COMPLETE

Designation of Responsibility: Operations Team

### **Progress Report**

The lighting in the processing sheds were upgraded during 2012. The upgrade of the lighting consisted of replacement of existing lamp fitting with LED lamps to achieve a reduction in power consumption. The replacement of the existing lamps with LED's is thought to achieve a potential saving of at least 68%. The projected annual energy saving amounts to 329,167 kWh which is a 68% reduction. Using Irelands average emissions from electricity of 0.58 kgs of CO2 per kWh. This amount to a reduction in emissions from the facility amounts to 190.9 tons.

### **OBJECTIVE 3 :** Reduce risk of discharge to water

### Project Summary

3.1 Source and install a Composite Sampler on site to increase accuracy of water monitoring N/A

3.2 Inspection of the existing hardstand within and around the processing building COMPLETE

**3.3** Works program established to remediate any issues with concrete hardstand **COMPLETE** 

Designation of Responsibility: Environmental Compliance Officer & Operations Team

### Progress Report

The composite sampler was not installed at the facility as the sampling techniques used currently were thought to be sufficient and the installation it is not a requirement of the license. On this occasion, this installation was not carried out. The installation of the composite sample may take place should current techniques prove to be insufficient.

The hardstand around the facility was inspected by the engineering and maintenance team,

A works program was established in March 2012 and works were strategically carried out duing the year. Periodic hardstand audit will take place over the next year to enure that all hardstand at the facility is non-permeable and in good condition.

**OBJECTIVE 4:** Reduce risk of local nuisance in the surrounding area.

### Project Summary

4.1 Review Fly fogging at the facility, investigate alternative pesticide/review frequency COMPLETE

**4.2** Increase load inspection at facility by employing a banksman to ensure that no putrescible waste enters facility giving rise to fly or odour nuisance. **COMPLETE** 

**4.3** Carry out audit on building fabric around offices within the Processing shed and seal as necessary to reduce fly nuisance in staff canteen and surrounding area. **COMPLETE** 

4.4 Carry out site works to site boundary and remove all unused vehicles to improve the aesthetics ONGOING

Designation of Responsibility: Environmental Compliance Officer & Operations Team

### Progress Report

Pest control at the facility was reviewed by the environmental compliance officer and operations manager. The current type of fly control employed by the pest contractor is a liquid spray system in which the operative fogs the building, internal walls and waste with a fogger. Two chemicals are mixed for maximum effectiveness. Facility is sprayed once per week and also upon request in the months of Feb, March, October and December and sprayed three times per week between April and September. Trial took place in May 2012 for new fogging system. The effectiveness was assess over a period of a week. It was found that the currently system proved more effective in the control, of flies onsite.

A full time banksman was employed in 2012 at the waste acceptance area. The banksman ensures that correct waste types are being accepted into the facility and minimise the risk of putrescible waste into the facility.

Building maintenance works were carried during the year to ensure that building was sealed at the canteen area.

A works plan was created out in relation to the removal redundant vehicles and old equipment. A significant amount of old vehicles and equipment was removed from the site during 2012. Additional vehicles are being removed from the fleet on a monthly basis as part of a fleet upgrade and vehicles are being removed gradually.

### **OBJECTIVE 5:** Increase Recycling/recovery rates

### Project Summary

- **5.1** Research and investigate increasing recycling rates at the facility. **COMPLETE**
- 5.2 Increase Quality Control on processing lines to increase segregation of materials and reduce level of

Oxigen Environmental Ltd., Merrywell Industrial Estate, Ballymount, Dublin 22

contaminants to recover hard core. COMPLETE

Designation of Responsibility: Environmental Compliance Officer & Operations Team

### **Progress Report**

Increase training of operatives on the Dry Mixed Recycling line along with increased quality control have resulted in improvement in recycling/recovery rates. The Repak rates for the material have show an significant improvement in quality when compared to the 2011 figures.

46

Waste Licence Register No. W0208-01

### 2012 Annual Environmental Report, March 2013

# 12.2– Proposal for Current Year.

Table 12.2 1 Summary of Objectives and Targets for W0208-01, 2013

| Objective  | Description   | Aspect   | Target   | Person Responsible                         | Target Completion<br>Date |
|--|---|--|--|--|---------------------------|
| 1  | Seal processing building to reduce risk of fugitive dust and odours in the surrounding area | Odour & Dust   | 1.1 Install new Door at D4 and complete building of wall adjacent  | Eng/Development<br>Team                    | 01/02/2013                |
| 2  | Reduce Fuel Consumption   | Natural<br>Resources   | 2.1 To implement new forklifts onsite to reduce fuel consumption   | Operations Manger                          | 01/06/2013                |
|  |   | Discharge to   | 3.2 Inspection of the existing hardstand within and around the processing building                               | Operations Manager                         | 01/06/2013                |
| 3 Reduce risk of discharge to water                      | water   | 3.3 Works program established to remediate any issues with concrete hardstand  | Eng/Development<br>Team/Operations<br>manager  | 01/06/2013                                 |                           |
|  |   |  | 4.1 Carry out landscaping around the perimeter of the site to screen facility to improve aesthetics              | Eng/Development<br>Team                    | 01/05/2013                |
| 4 Reduce risk of local nuisance in the surrounding area. | Local nuisance  | 4.2 To install a weather station at the Ballymount site to work to aid in investigating odours and verify any odour complaints that may occur. | Operations Manger  | 01/05/2013                                 |                           |
| 5  | Increase Recycling/recovery rates   | Releases to<br>Land/Natural<br>Resources   | 5.1 To introduce a production report on site to assess weekly the production on the C&I and Dry Recyclable line. | Facility<br>Manager/Operations<br>Director | 01/02/2013                |
| 6  | Increase Environmental<br>Performance on Site   | General<br>Environmental   | 5.1 Research and identify training needs of Key members of staff   | Senior Management<br>/ Environmental       | 01/05/2013                |

| Waste Licence Register No. W0208-01 | 2012        | Annual Environmental Report, March 2013  |                    |  |
|-------------------------------------|-------------|--|--------------------|--|
|                                     | Performance | 5.2 . Bespoke training to be carried out with key member of<br>staff to increase environmental awareness on site. All training<br>to be approved by the EPA and in compliance with licence<br>requirements | Compliance Officer |  |
|                                     |             | 5.3 Environmental Education of our customer base and increase awareness with regard to recovery.   |                    |  |

# **13. DEVELOPMENT WORKS**

# 13.1 Development Works 2012

# 13.1.1 Medium Voltage

In 2011, Oxigen Environmental, due to rapid expansion of the processing line Oxigen Environmental were generating additional power needs by the use of diesel generator. The decision was made to bring Medium Voltage power on site. The Medium Voltage Connect project began in April 2011 and was completed in Dec 2011. The implementation of medium voltage has allowed the diesel powered generator to be removed thus reducing the diesel costs onsite. The complete power needs of Oxigen Environmental is now served by fixed line infrastructure using 100% renewable sourced electricity, this has greatly reduced the carbon footprint of this site.

The reduction in electricity consumption onsite is evident from the Energy section (Part 7) of this document.

# 13.2 Development Works 2013

A SEW for the installation of a plastics shredding line to complement the existing commercial, industrial and construction and demolition processing lines was submitted to the Agency in Jan 2013. Permission was granted by the Agency under Condition 1.5 of Waste Licence W0208-01 for alterations to site activity due to a material change in the range of processes to be carried out. This new shredding system will allow Oxigen Environmental to produce a granulated material which is sold back to manufacturers/Irish & European Moulding industries for re-use. It is estimated that approximately 2 tonne of material will be produced per hour.

There are currently no other Specified Engineering Works applied for in 2013.

Any proposed development of the facility will be submitted in writing to the Agency during the course of the year as required.

# **14. FINANCIAL PROVISION**

### 14. Financial Provision

An Environmental Liabilities Risk Assessment was forwarded to the Agency in March 2003. Details of costs for the Financial Provision for Closure, Restoration and Aftercare were included as part of this report.

At present Oxigen Environmental have sufficient turnover and company assets to offset environmental liabilities in the event that they may be incurred during the course of the Facility Operations or in the event that the facility is closed. This will include the covering of costs associated with abatement installation, control & monitoring; closure & remediation of the site; clean-up following a plausible accident/incident and/or long-term aftercare for residual environmental liabilities. Oxigen Environmental has Pollution Cover of up to €13M with Brit Insurance, Policy No: A2602620/35136

# 15. TANK, DRUM, PIPELINE AND BUND INSPECTION REPORT

# 15. Tank, Drum, Pipeline and Bund Inspection Report

Portable bunds are maintained on site for the storage of hydraulic oil, engine oil, waste oil, diesel, coolants and waste chemicals. These bunds have all been certified for integrity by the suppliers for a period of 3 years from the date of purchase. A copy of these certificates are held on file and available for inspection.

All bunds with outdated certificates were tested on site as per EMS Procedure 'OXEP 03 Procedure for Testing of Bunded Areas'. All tests were recorded on EMS Log Sheet 'OXEP106 Testing of Bunded Area Log Sheet'. These log sheets are kept on file along with original certificates.

# **16. PROGRAMME FOR PUBLIC INFORMATION**

# 16. Programme for Public Information

A program for public information is in place at the facility. During the reporting period there were no requests from the public to inspect any of the records and files listed in the submission.

The lists of documents available for inspection in the Communication Folder are as follows:

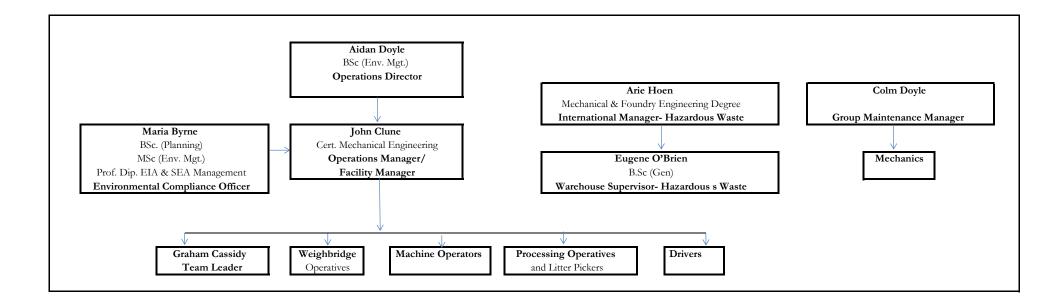
- Waste Licence W0208-01
- Environmental Policy
- Unacceptable Waste List
- Pest/Vermin Control Records
- Waste Licences/Permits of Facilities
- Environmental Monitoring Results for the current year
- Complaints Register

Members of the public who wish to inspect these files may do so at any reasonable time by making an appointment either with the Facility Manager or Compliance Officer at the telephone number posted on the main facility entrance sign erected in accordance with Condition 2.2.2.7.

# MANAGEMENT STRUCTURE

# W0208-01

# 17. Management and Staffing Structure at the Facility



# 18. CLOSURE AND DECOMMISSIONING MANAGEMENT PLAN

# 18. Closure and Decommissioning Management Plan

The Residuals Management Plan was submitted with the previous AER for the 2009 reporting period. No changes were made to the plan in 2012.



| PRTR# : W0208 | Facility Name : Oxigen Environmental Limited | Filename : PRTR\_W0208\_2012.xls | Return Year : 2012 |

26/07/2013 17:51

### Guidance to completing the PRTR workbook

# AER Returns Workbook

rsion 1.1.16

| 1. FACILITY IDENTIFICATION |                              |  |  |
|----------------------------|------------------------------|--|--|
| Parent Company Name        | Oxigen Environmental Limited |  |  |
| Facility Name              | Oxigen Environmental Limited |  |  |
| PRTR Identification Number | W0208                        |  |  |
| Licence Number             | W0208-01                     |  |  |

### Waste or IPPC Classes of Activity

REFERENCE YEAR 2012

|   | class_name   |
|---|--|
| 4.4                                     | Recycling or reclamation of other inorganic materials.   |
|   | Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this                 |
| 3.11                                    | Schedule.  |
|   |  |
| 3.12                                    | Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.               |
|   |  |
|   | Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other             |
| 3.13                                    | than temporary storage, pending collection, on the premises where the waste concerned is produced.                   |
|   | Physico-chemical treatment not referred to elsewhere in this Schedule (including evaporation, drying and             |
|   | calcination) which results in final compounds or mixtures which are disposed of by means of any activity             |
|   | referred to in paragraphs 1. to 10. of this Schedule.  |
| 4.11                                    | Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule.                       |
| 4.40                                    | Furthermore of which for extensions to environment of the referred to be a needed to be a second of this Cohe dula   |
| 4.12                                    | Exchange of waste for submission to any activity referred to in a preceding paragraph of this Schedule.              |
|   | Storage of waste intended for submission to any activity referred to in a preceding paragraph of this                |
| 4.40                                    | Schedule, other than temporary storage, pending collection, on the premises where such waste is<br>produced.         |
| 4.13                                    | Produced.<br>Recycling or reclamation of organic substances which are not used as solvents (including composting and |
| 4.0                                     | other biological transformation processes).  |
|   | Recycling or reclamation of metals and metal compounds.  |
|   | Merrywell Industrial Estate  |
|   | Ballymount Road Lower  |
|   | Clondalkin   |
| Address 4                               |  |
|   |  |
|   | Dublin   |
| Country                                 |  |
| Coordinates of Location                 | -6.35743 53.3149   |
| River Basin District                    | IEEA   |
| NACE Code                               | 3832   |
| Main Economic Activity                  | Recovery of sorted materials   |
| AER Returns Contact Name                |  |
| AER Returns Contact Email Address       |  |
|   | Environmental Complinace Officer   |
| AER Returns Contact Telephone Number    | 01 4263129   |
| AER Returns Contact Mobile Phone Number |  |
| AER Returns Contact Fax Number          |  |
| Production Volume                       | 0.0  |
| Production Volume Units                 |  |
| Number of Installations                 | 0  |
| Number of Operating Hours in Year       | 0  |
| Number of Employees                     | 180  |
| User Feedback/Comments                  |  |
| Web Address                             |  |

2. PRTR CLASS ACTIVITIES

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

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

| Is it applicable?  |   |
|--|---|
| Have you been granted an exemption ?<br>If applicable which activity class applies (as per |   |
| Schedule 2 of the regulations) ?   |   |
| Is the reduction scheme compliance route being   |   |
| used ?   |   |
|  |   |
| 4. WASTE IMPORTED/ACCEPTED ONTO SITE   | Guidance on waste imported/accepted onto site |

| 4. WASTE IMPORTED/ACCEPTED ONTO SITE              | Guid |
|---|------|
| Do you import/accept waste onto your site for on- |      |

site treatment (either recovery or disposal activities) ?

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

#### 4.1 RELEASES TO AIR

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

| SECTION A. SECTOR SPECIFIC PRINT POLE | UTAN'S          |       |             |                            |                             |                         |        |                   |                   |
|---------------------------------------|-----------------|-------|-------------|----------------------------|-----------------------------|-------------------------|--------|-------------------|-------------------|
|                                       | RELEASES TO AIR |       |             |                            | Please enter all quantities | s in this section in KG | 8      |                   |                   |
|                                       | POLLUTANT       |       | 1           | METHOD                     |                             |                         | QUAN   | TITY              |                   |
|                                       |                 |       |             | Method Used                |                             |                         |        |                   |                   |
| No. Annex II                          | Name            | M/C/E | Method Code | Designation or Description | Emission Point 1            | T (Total) KG/Year       | A (Acc | cidental) KG/Year | F (Fugitive) KG/Y |
|                                       |                 |       |             |                            | 0.                          | 0                       | 0.0    | 0.0               |                   |
|                                       |                 |       |             |                            |                             |                         |        |                   |                   |

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

Link to previous years emissions data

SECTION B : REMAINING 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 (Accidental) KG/Year | F (Fugitive) KG/Ye |
|              |   |       |             |                            | 0.0                         |                        | 0.0 0.                 | 0                  |
|              | * Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button |       |             |                            |                             |                        |                        |                    |

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

| SECTION C. REMAINING FO | LEUTANT EMISSION | (As required in your Licence)  |       |             |                            |                               |                       |                  |                   |                |              |     |
|-------------------------|------------------|--|-------|-------------|----------------------------|-------------------------------|-----------------------|------------------|-------------------|----------------|--------------|-----|
|                         |                  | RELEASES TO AIR  |       |             |                            | Please enter all quantities i | n this section in KGs |                  |                   |                |              |     |
|                         |                  | POLLUTANT  |       | MET         | THOD                       |                               |                       |                  |                   | QUANTITY       |              |     |
|                         |                  |  |       | Ν           | Nethod Used                |                               |                       |                  |                   |                |              |     |
|                         |                  |  |       |             |                            |                               |                       |                  |                   | A (Accidental) | F (Fugitive) |     |
| Pollutant No.           |                  | Name   | M/C/E | Method Code | Designation or Description | Emission Point 1              | Emission Point 2      | Emission Point 3 | T (Total) KG/Year | KG/Year        | KG/Year      |     |
| 210                     | Dus              | t  | М     | ALT         |                            | 1257.0                        | 783.0                 | 554.0            | 2594.0            | ) 0.           | 0            | 0.0 |
|                         | * Sele           | ect a row by double-clicking on the Pollutant Name (Column B) then click the delete button |       |             |                            |                               |                       |                  |                   |                |              |     |

PRTR# : W0208 | Facility Name : Oxigen Environmental Limited | Filename : PRTR\_W0208\_2012.xls | Return Year : 2012 |

Additional Data Requested from Landfill operators For the purposes of the National Inventory on Greenhouse Gases, landfill operators are requested to provide summary data on landfill gas (Methane) flared or utilised on their facilities to accompany the figures for total methane generated. Operators should only report their Net methane (CH4) emission to the environment under T(total) KG/yr for Section A: Sector specific PRTR pollutants above. Please complete the table below: Landfill: Please enter summary data on the Oxigen Environmental Limited quantities of methane flared and / or utilised Method Used Designation or Facility Total Capacity m3 T (Total) kg/Year M/C/F Method Code Description per hour Total estimated methane generation (as per N/A site model) 0 Methane flared (Total Flaring Capacity) 0. Methane utilised in engine/s (Total Utilising Capacity) 0.0 0 Net methane emission (as reported in Section A above) N/A 0.

26/07/2013 17:51





### 4.2 RELEASES TO WATERS

Link to previous years emissions data

| PRTR# : W0208 | Facility Name : Oxigen Environmental Limited | Filename : PRTR\_W0208\_2012.xls | Return Year : 2012 |

| SECTION A : SECTOR SPECIFIC PRTR POL | LUTANTS  | Data on an | nbient monitoring o | f storm/surface water or groundwa | ter, conducted as part of your | licence requirements, sh | ould NOT be submitted under Al |
|--------------------------------------|--|------------|---------------------|-----------------------------------|--------------------------------|--------------------------|--------------------------------|
|                                      | RELEASES TO WATERS                               |            |                     |                                   | Please enter all quantiti      | ies 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/Yea         | A (Accidental) KG/Year         |
| 76                                   | Total organic carbon (TOC) (as total C or COD/3) | М          | ALT                 |                                   |                                | 0.0 0.                   | 0.0                            |
|                                      |  |            |                     |                                   |                                |                          |                                |

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

SECTION B : REMAINING PRTR POLLUTANTS

|              | RELEASES TO WATERS |       |             |                            | Please enter all quanti | ties in | n this section in K | Gs                  |        |
|--------------|--------------------|-------|-------------|----------------------------|-------------------------|---------|---------------------|---------------------|--------|
|              | POLLUTANT          |       |             |                            |                         |         |                     | QUANTITY            |        |
|              |                    |       |             | Method Used                |                         |         |                     |                     |        |
| No. Annex II | Name               | M/C/E | Method Code | Designation or Description | Emission Point 1        | Т       | T (Total) KG/Year   | A (Accidental) KG/Y | /ear F |
|              |                    |       |             |                            |                         | 0.0     | 0.0                 |                     | 0.0    |

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

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

|   |               | RELEASES TO WATERS |       |             |                            | Please enter all quantities | in this section in k | (Gs              |                  |           |            |
|---|---------------|--------------------|-------|-------------|----------------------------|-----------------------------|----------------------|------------------|------------------|-----------|------------|
|   |               | POLLUTANT          |       |             |                            |                             |                      |                  |                  | QUANTI    | Υ          |
|   |               |                    |       |             | Method Used                |                             |                      |                  |                  |           |            |
|   |               |                    |       |             |                            |                             |                      |                  |                  | A         |            |
|   |               |                    |       |             |                            |                             |                      |                  |                  | (Accident | F          |
|   |               |                    |       |             |                            |                             |                      |                  |                  | al)       | (Fugitive) |
|   | Pollutant No. | Name               | M/C/E | Method Code | Designation or Description | Emission Point 1            | Emission Point 2     | Emission Point 3 | T (Total) KG/Yea | r KG/Year | KG/Year    |
| 3 | )6            | COD                | М     | ALT         | Alpha-5220-D               | 1065.65                     | 0.0                  | 0                | 0 106            | 5.65 0.   | 0.0        |
| 3 | 03            | BOD                | М     | ALT         | Alpha-5210-B               | 160.25                      | 0.0                  | 0.               | 0 16             | 0.25 0.   | 0.0        |
| 2 | 10            | Suspended Solids   | М     | ALT         | Alpha-5540-B               | 1650.56                     | 0.0                  | 0                | 0 165            | 0.56 0.   | 0.0        |
| 3 | 24            | Mineral oils       | М     | ALT         | GC-FID                     | 0.0                         | 0.0                  | 0                | 0                | 0.0 0.    | 0.0        |
| 2 | 38            | Ammonia (as N)     | М     | ALT         | Alpha-4500-NH3-D           | 30.61                       | 0.0                  | 0                | 0 3              | 0.61 0.   | 0.0        |
|   |               |                    |       |             |                            |                             |                      |                  |                  |           |            |

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

### AER / PRTR Reporting as this only concerns Releases from your facility



### 4.3 RELEASES TO WASTEWATER OR SEWER

### Link to previous years emissions data

| PRTR# : W0208 | Facility Name : Oxigen Environmental Limited | Filename : PRTR\_W0208\_2012.x 26/07/2013 17:51

### SECTION A : PRTR POLLUTANTS

| 0            | OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATM | MENT OR S | SEWER       |                            | Please enter all quantities | in this section in KGs |                       |
|--------------|--|-----------|-------------|----------------------------|-----------------------------|------------------------|-----------------------|
|              | POLLUTANT  |           | ME          | 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/Yea |
| 76           | Total organic carbon (TOC) (as total C or COD/3)               | М         | ALT         | Alpha-5220-D               | 282.69                      | 282.69                 |                       |
| 20           | Copper and compounds (as Cu)                                   | М         | ALT         | Alpha-3120-B               | 0.1                         | 0.1                    |                       |
| 24           | Zinc and compounds (as Zn)                                     | М         | ALT         | Alpha-2120-B               | 0.09                        | 0.09                   |                       |
|              |  |           |             |                            |                             |                        |                       |

\* 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)

| C             | OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATI | MENT OR | SEWER       |                            | Please enter all quantities i | n this section in KGs |                      |
|---------------|--|---------|-------------|----------------------------|-------------------------------|-----------------------|----------------------|
|               | POLLUTANT  |         | N           | IETHOD                     |                               |                       | QUANTITY             |
|               |  |         |             | Method Used                |                               |                       |                      |
| Pollutant No. | Name   | M/C/E   | Method Code | Designation or Description | Emission Point 1              | T (Total) KG/Year     | A (Accidental) KG/Ye |
| 303           | BOD  | М       | ALT         | Alpha-5210-B               | 467.29                        | 467.29                | Ĩ                    |
| 306           | COD  | М       | ALT         | Alpha-5220-D               | 848.09                        | 848.09                | 1                    |
| 240           | Suspended Solids   | М       | ALT         | Alpha-2540-B               | 368.15                        | 368.15                | 1                    |
| 343           | Sulphate   | М       | ALT         | Alpha-4110-B               | 108.01                        | 108.01                |                      |
| 314           | Fats, Oils and Greases   | М       | ALT         | Alpha-5520-B               | 25.35                         | 25.35                 | 1                    |
| 324           | Mineral oils   | М       | ALT         | GC-FID                     | 0.0                           | 0.0                   | 1                    |
| 308           | Detergents (as MBAS)   | М       | ALT         | Alpha-5540-C               | 0.07                          | 0.07                  |                      |

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

| ear | F (Fugitive) KG/Year |
|-----|----------------------|
| 0.0 | 0.0                  |
| 0.0 | 0.0                  |
| 0.0 | 0.0                  |

| ear | F (Fugitive) KG/Year |
|-----|----------------------|
| 0.0 | 0.0                  |
| 0.0 | 0.0                  |
| 0.0 | 0.0                  |
| 0.0 | 0.0                  |
| 0.0 | 0.0                  |
| 0.0 | 0.0                  |
| 0.0 | 0.0                  |
|     |                      |

# 4.4 RELEASES TO LAND

Link to previous years emissions data

| PRTR# : W0208 | Facility Name : Oxigen Environmental Limited | Filename : PRTR\_W0208\_2012.xls | Return Year : 2012 |

### **SECTION A : PRTR POLLUTANTS**

|              | RELEASES TO LAND |       |             |                            | Please enter all quantities | s                 |                        |
|--------------|------------------|-------|-------------|----------------------------|-----------------------------|-------------------|------------------------|
| PO           | LLUTANT          |       | METHO       | D                          |                             |                   | QUANTITY               |
|              |                  |       | Meth        | nod 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                 | 0.0 0.0                |

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

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

|               | Please enter all quantities in this section in KGs |  |  |       |             |        |                            | Gs               |     |                |     |                      |
|---------------|--|--|--|-------|-------------|--------|----------------------------|------------------|-----|----------------|-----|----------------------|
| PO            | LLUTANT  |  |  |       | М           | IETHOI | )                          |                  |     |                | QL  | UANTITY              |
|               |  |  |  |       | Method Used |        |                            |                  |     |                |     |                      |
| Pollutant No. | Name   |  |  | M/C/E | Method Code |        | Designation or Description | Emission Point 1 | Τ ( | Total) KG/Year | Α ( | (Accidental) KG/Year |
|               |  |  |  |       |             |        |                            |                  | 0.0 |                | 0.0 | 0.0                  |

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

| No.  | 5. ONSITE TREAT      | MENT & OFFSITE TRA     | NSFERS OF | WASTE                | (PRTR#: W0000   Facily Name : Oxigen Environmental  <br>all quantifies on this sheet in Tonnes                                  | Linited   Filenam      | : PRTR_V | (0208_2012.sts   Return Yes | r : 2012                  |  |   |   | 26/07/2013 17:51<br>70  |
|--|----------------------|------------------------|-----------|----------------------|---|------------------------|----------|-----------------------------|---------------------------|--|---|---|---|
| b    b     b <th< th=""><th></th><th></th><th></th><th>Quantity</th><th></th><th></th><th></th><th></th><th></th><th>Haz Warrs : Name and<br/>Licence/Permit No of Next Destination</th><th>Her Wante - Address of Next</th><th>Name and License / Permit No. and</th><th></th></th<>  |                      |                        |           | Quantity             |   |                        |          |                             |                           | Haz Warrs : Name and<br>Licence/Permit No of Next Destination                | Her Wante - Address of Next   | Name and License / Permit No. and                                 |   |
| Determ         Determ        Determ         Determ         Determ        Determ        Det   |                      |                        |           | (Tonnes per<br>Year) |   | Wanta                  |          | Method Used                 |                           | Facility Non Haz Waster<br>Name and Licence/Permit No-of<br>Recover/Disposer | Destination Facility<br>Non-Hoz Waster Address of<br>Recover/Disposer       | Address of Final Recovery /<br>Disposer (HR2NRDOUS WAGTE<br>ONLY) | Actual Address of Final Destination<br>Le. Final Recovery / Disposal Site<br>(H42HRDOLS WASTS ONLY) |
|  | Transfer Destination | European Waste<br>Code | Hazardous |                      | Description of Waste  | Treatment<br>Operation | MC/E     | Method Used                 | Location of<br>Treatment  |  |   |   |   |
| Name   | To Other Countries   | 17 05 03               | Yes       | 17.24                | soil and stones containing dangerous<br>substances  | Da                     | м        | Weighed                     | Abroad                    | ATM BV.n/a   | Visaweg 12,NL-4782<br>PW Moerdidik . Netherlands                            | ATM BV, 1538449, Visioneg<br>12 Moerdik Netherlanda               | Viasweg<br>12 Moerdiik Natherlands  |
| Norm         No  | To Other Countries   | 15 01 01               | No        | 2961.76              | nanar and nantheant earkanine   | 83                     | м        | Weinhart                    | Ahmad                     | North Wast Fibras nis  |   |   |   |
| Norm         No  |                      |                        |           |                      |   | 83                     | м        | Weinhert                    | Offsite in Instand        | Irish Packaging Recycling<br>T/A Panda Waste, WPR021-<br>02                  | Ballymount<br>Road,Walkinstown,Dublin<br>12. Isaland                        |   |   |
| Nation Nation Nation Nation Nation Nation Nation Nation Nation   Nation Nati   |                      |                        |           |                      |   |                        |          |                             |                           | Peute Papier Recycling<br>BV.n/a   | Baenhoekweg 4,3313 LA<br>Dordreacht Netherlands                             |   |   |
|  |                      |                        |           |                      |   |                        |          |                             |                           |  | Business Park,Dundrod<br>Road Caumin 8729                                   |   |   |
| Name   |                      |                        |           |                      |   |                        |          |                             |                           |  | 4SR.United Kinodom<br>Killycard Industrial<br>Estate.Bree.Castleblarnev.C   |   |   |
| Name   | Within the Country   | 15 01 02               | No        | 228.74               | olastic packating   | R3                     | м        | Weiched                     | Offsite in Ineland        | The Shabra Group nia   | o Monachan Ineland<br>Howarth Metals, 22 Rondin<br>Road Antarick Marchanter |   |   |
|  | To Other Countries   | 15 01 04               | No        | 13.34                | metallic packazing  | R4                     | м        | Weiched                     |                           |  | M12 6BF United Kinodom<br>Bollamey,The                                      |   |   |
|  | Within the Country   | 15 01 04               | No        | 181.84               | metallic osckazing  | R4                     | м        | Weiched                     |                           |  | Murrough, Wicklow, Co.<br>Wicklow.Instand<br>41 Cookstown Industrial        |   |   |
|  | Within the Country   | 15 01 04               | No        | 28.3                 | matallie naekonion  | 84                     | м        | Wainhart                    | Offsite in Instand        | Midlands Scrap<br>Menuix W175_11   | Estate,Tallaght,Dublin<br>24. Instand<br>Fifth Floor 1                      |   |   |
|  | Within the Country   | 15.01.05               | No        | 23.44                | mmosile narkonim  | 83                     | м        | Weinhert                    | Offsite in Instand        | Tama Pak Isaland nia   | Tuamsgate,Balgard Square<br>East,Tallaght,Dublin<br>24 Instant              |   |   |
| Norm   |                      |                        |           |                      |   |                        |          |                             |                           |  | Unit 4 Obscomburg Industrial  |   |   |
| NateNat   | Within the Country   | 15 01 07               | No        |                      |   | R5                     | м        | Weiched                     | Offsite in Ineland        | Glassco.WPN247/2006  |   |   |   |
| NateNat   | Within the Country   | 15 01 11               | Yes       | 3.1                  | metallic packaging containing a dangerous<br>solid porous matrix (for example asbestos),<br>including empty pressure containers | R4                     | м        | Weighed                     | Offsite in Ineland        | Calor Gas WPR  | Long Mile Hoad, Dublin<br>12, Dublin 12, Dublin<br>12 Ineliand              | Calor<br>Gas,nia,Whitegate,Middleton<br>Co Cork Ineland           | Whitegate,Middleton,Co.<br>Cork Ireland   |
| NameNa   | Within the Country   | 16 01 03               | No        |                      |   | R5                     | м        |                             | Offsite in Ireland        | Crumb Rubber Ireland<br>Ltd:WP2007/01  | Ik Co Louth Ineland   |   |   |
| Name   | Within the Country   | 17 02 03               | No        | 108.06               | nisatio   | 83                     | м        | Wainhart                    | Offsite in Instand        | Retech Processing  | Road,Cootshill,Co<br>Caran Indiane  |   |   |
| Name   | To Other Countries   | 17 05 03               | Yes       | 1094.88              | soil and stores containing dangerous<br>substances  | D1                     | м        | Weighed                     | Abroad                    | Richard Buhck GmbH n/a   | Kapperberg,0E-<br>21502,Weirshop,Germany,G<br>ermany                        | Richard Buhck<br>GmbH,A53500502,Rappenb<br>erg DE 21502 Germanv   | Rappenberg,DE<br>21502 Germany  |
| Name   |                      |                        | Yes       | 20.6                 | insidation materials containing ashastes  | 01                     | м        |                             | Ahmad                     | Richard Robels Centrel ala   | Rapperberg,DE-<br>21502,Weirshop,Germany,G                                  | Richard Buhck<br>GmbH,A53500502,Rappenb<br>em DE 21502 Germany    | Rappenberg,DE<br>21502 Garmany  |
| Note   |                      |                        |           |                      | construction materials containing asbestos  |                        |          |                             |                           |  | Rappenberg,DE-<br>21502,Weirshop,Germany,G                                  | ATM BV, 1538449, Visaweg  | Viasweg   |
| A B A B A B A B A B A B A B A B A B A B  |                      |                        |           |                      |   |                        |          |                             |                           | Padnieg Thomton Waste<br>Disposal T/A Thomtons                               | emanv<br>Kileen Road, Dublin  | 12 Moerdik Netherlands  | 12 MoerdikNetherlands   |
| Result     Result </td <td></td> <td>12 Ineland<br/>Bollamey,The<br/>Murrough,Wicklew Co.</td> <td></td> <td></td>   |                      |                        |           |                      |   |                        |          |                             |                           |  | 12 Ineland<br>Bollamey,The<br>Murrough,Wicklew Co.                          |   |   |
| Mathem     Note   | Within the Country   | 19 12 02               | No        |                      |   |                        | м        | Weiched                     | Offsite in Ireland        |  | Lough Hill Shad Kilesonh Ca   |   |   |
| Name   | Within the Country   | 19 12 07               | No        | 15.5                 | wood other than that mentioned in 19 12 06  | R3                     | м        | Weiched                     | Offsite in Ireland        | Lad.WMP2004/57   | Meath WMP200457.Ireland<br>Cashel Road Recycling                            |   |   |
| Norm         Norm </td <td>Within the Country</td> <td>19 12 07</td> <td>No</td> <td>18.34</td> <td>wood other than that mentioned in 12 12 06</td> <td>R3</td> <td>м</td> <td>Weighed</td> <td>Offsite in Instand</td> <td>Clonmel Waste<br/>Disposal WP008-02</td> <td>Centre,Lawless<br/>Road,Clonmel ,Co<br/>Ticcerary Ireland</td> <td></td> <td></td>  | Within the Country   | 19 12 07               | No        | 18.34                | wood other than that mentioned in 12 12 06  | R3                     | м        | Weighed                     | Offsite in Instand        | Clonmel Waste<br>Disposal WP008-02   | Centre,Lawless<br>Road,Clonmel ,Co<br>Ticcerary Ireland                     |   |   |
| Norme  |                      |                        |           |                      |   |                        |          |                             | Officia i finite          | Padraig ThomtonWaste<br>Disposal Ltd T/A Thomtons<br>Recention WB            |   |   |   |
| Norma  |                      |                        |           |                      |   |                        |          |                             |                           |  |   |   |   |
| Norm   |                      |                        |           |                      |   |                        |          | Weiched                     | Offsite in Ireland        |  | Carbury Co Kildare Ireland  |   |   |
| Norm   |                      |                        |           |                      |   |                        |          |                             | Abroad                    |  | 3854 Bronceni Latvia Latvia<br>Platin Drogheda, Co                          |   |   |
| Normal Problem         Normal  |                      |                        |           |                      |   |                        |          |                             |                           | Padraig Thomton Waste<br>Disposal T/A Thomtons                               | Kileen Road, Dublin   |   |   |
| Norma  |                      |                        |           |                      | other wastes (including mixtures of<br>materials) from mechanical treatment of  |                        | м        |                             | Offsite in Ineland        |  |   | ATM BV.1538449. Visowed   | Viacenco  |
| Marka of Marka     | To Other Countries   | 19 12 11               | Yes       | 20.74                | waste containing dangerous substances<br>other wastes (including mixtures of<br>materials) from excluding discussed of          | R1                     | м        | Weighed                     | Abroad                    |  | PW.MoerdidikNetherlands   | 12 Moerdik Netherlanda  | 12 Moerdik Netherlands  |
| Norm   | Within the Country   | 19 12 12               | No        | 44.04                | vasities other than those mentioned in 19 12<br>11  | R5                     | м        | Weighed                     | Offsite in Ineland        | Drehid Waste Management<br>Facility:W0203-03                                 | Carbury.Co KildareIreland   |   |   |
| No.     No. </td <td>To Other Countries</td> <td>20 01 01</td> <td>No</td> <td>4026.72</td> <td>paper and cardboard</td> <td>R3</td> <td>м</td> <td>Weighed</td> <td>Abroad</td> <td>Asia Globa: Trade nia</td> <td></td> <td></td> <td></td>  | To Other Countries   | 20 01 01               | No        | 4026.72              | paper and cardboard   | R3                     | м        | Weighed                     | Abroad                    | Asia Globa: Trade nia  |   |   |   |
| No.     No. </td <td></td> <td>Baanhoekweg 4,3313 LA<br/>Dordrecht,The</td> <td></td> <td></td>  |                      |                        |           |                      |   |                        |          |                             |                           |  | Baanhoekweg 4,3313 LA<br>Dordrecht,The                                      |   |   |
| No.     No.<   |                      |                        |           |                      |   |                        |          |                             |                           |  | Viewers 12 N _4782  | ATM BV, 1538440, Viasweg  | Viasweg   |
| with the set of the s |                      |                        |           |                      | paint, inks, adhesives and resins containing  |                        |          |                             |                           | ATM BV n/a   | PW.MoerdidikNetherlands<br>Vissweg 12,NL-4782                               | 12.MoerdikNetherlanda<br>ATM BV, 1538449, Visioweg                |   |
| with the set of the s | To Other Countries   | 20 01 27               | Yes       | 240.57               | denoerous substances  | R1                     | м        | Weighed                     | Abroad                    | ATM BV n/a   | PW Moerdidik Netherlands<br>Cappincur Industrial<br>Estate Drivenson        | 12 Moerdik Netherlanda  | 12 Moerdik Natherlands  |
| with the set of the s | Within the Country   | 20 01 36               | No        | 64.84                | equipment other than those mentioned in 20<br>01 21 20 01 23 and 20 01 35   | R4                     | м        | Weighed                     | Offsite in Ineland        | KMK Metala recycling<br>Ldt W0113-03   | Road,Tullamore,Co.<br>Offalv Ireland  |   |   |
| with the set of the s | Within the Country   | 20 01 40               | No        | 1009.6               | metala  | R4                     | м        | Weighed                     |                           | Multimetals Recycling<br>LTD.WFP-WW-09-0014-01                               | Bollamey,The<br>Murrough,Wicklow,Co.<br>Wicklow,Ireland                     |   |   |
| Normal Matrix       Normal Matrix </td <td></td> <td></td> <td></td> <td></td> <td>No. do una debito como</td> <td></td> <td></td> <td></td> <td>Contractor in Frankris at</td> <td></td> <td></td> <td></td> <td></td>  |                      |                        |           |                      | No. do una debito como  |                        |          |                             | Contractor in Frankris at |  |   |   |   |
| with the conder 2 min def 3 min def   with the conder 3 min def   with the conder 3 min def   with the conder 3 min def   with the conder 3 min def   With the conder 3 min def   With the conder 3 min def   With the conder 3 min def   With the conder 3 min def   With the conder 3 min def   With the conder 3 min def   With the conder 3 min def 3 min def 3 min def <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Oxigen<br/>Environmental W0144-01</td><td>Coes Road,Dundalk,Co.<br/>Louth Instand</td><td></td><td></td></t<>   |                      |                        |           |                      |   |                        |          |                             |                           | Oxigen<br>Environmental W0144-01   | Coes Road,Dundalk,Co.<br>Louth Instand                                      |   |   |
|  |                      |                        |           |                      |   |                        |          |                             |                           | Ballynagran Landtil,W0165-<br>02<br>Knockharley Landtil,W146-                |   |   |   |
| Name of Control     Note     N   | Within the Country   | 20 03 07               | No        | 63.54                | bullor waste  | D5                     | м        | Weiched                     | Offsite in Ineland        | Padraig Thomton Waste  |   |   |   |
| norm           1 Norm         1 Norm         1 Norm         1 Norm   | Within the Country   | 20 03 07               | No        | 16.34                | bulky wishe   | D5                     | м        | Weiched                     | Offsite in Instand        |  | 12 Initiand<br>Ballymount<br>Road Wolfinsterm Dublic                        |   |   |
| norm           1 Norm         1 Norm         1 Norm         1 Norm   | Within the Country   | 15 01 02               | No        | 260.9                | elastic packaping   | R3                     | м        | Weiched                     | Offsite in Ineland        | 02   | 12Ineland<br>Floors Street, Johnstone                                       |   |   |
| With Corpor     With Corpor     With With With With With With With With  | Within the Country   | 15 01 02               | No        | 36.62                | plastic packaging   | R3                     | м        | Weiched                     | Offsite in Ireland        |  |   |   |   |
| Normal Matrix       Normal Matrix     Normal Matrix     Normal Matrix     Normal Matrix     Normal Matrix     Normal Matrix     Normal Matrix       Normal Matrix     Normal Matrix     Normal Matrix     Normal Matrix     Normal Matrix     Normal Matrix     Normal Matrix       Normal Matrix     Normal Matrix     Normal Matrix     Normal Matrix     Normal Matrix     Normal Matrix     Normal Matrix       Normal Matrix     Normal Matrix     Normal Matrix     Normal Matrix     Normal Matrix     Normal Matrix     Normal Matrix       Normal Matrix     Normal Matrix     Normal Matrix     Normal Matrix     Normal Matrix     Normal Matrix     Normal Matrix       Normal Matrix     Normal Matrix     Normal Matrix     Normal Matrix     Normal Matrix     Normal Matrix     Normal Matrix       Normal Matrix     Normal Matrix     Normal Matrix     Normal Matrix     Normal Matrix     Normal Matrix     Normal Matrix       Normal Matrix     Normal Matrix     Normal Matrix     Normal Matrix     Normal Matrix     Normal Matrix     Normal Matrix       Normal Matrix     Normal Matrix     Normal Matrix     Normal Matrix     Normal Matrix     Normal Matrix     Nor  | Within the Country   | 15 01 01               | No        | 123.38               | paper and cardboard packaging   | R3                     | м        | Weiched                     | Offsite in Ireland        | Independent Waste Paper<br>Producers Ltd                                     | 4GD United Kingdom  |   |   |
| Non-Control         No.         No. <th< td=""><td>To Other Countries</td><td>15 01 01</td><td>No</td><td>981.3</td><td>nanar and canthoant narkaning</td><td>R:S</td><td>м</td><td>Weinhart</td><td>Ahmari</td><td>Lais (Shha Trata nis</td><td>Gardens, London W2<br/>4MR rá: Linitari Kinnelren</td><td></td><td></td></th<>  | To Other Countries   | 15 01 01               | No        | 981.3                | nanar and canthoant narkaning   | R:S                    | м        | Weinhart                    | Ahmari                    | Lais (Shha Trata nis   | Gardens, London W2<br>4MR rá: Linitari Kinnelren                            |   |   |
| Torbanese     Torb   | To Other Countries   | 15 01 02               | No        | 17.96                | elastic packaging   | R3                     | м        | Weiched                     | Abroad                    | Paula Papar Nacycling<br>BV nia  |   |   |   |
| 1. Obe Came is 51.9     No.     1.02     No.   | To Other Countries   | 15 01 04               | No        | 15.86                | metallic oackazina  | R3                     | м        | Weiched                     | Abroad                    | North West Fibres nia  | Avenue, Evenet, WA 98201-<br>4782 United Kinodom                            |   |   |
| No.         No. <td>To Oher O</td> <td>16.01.04</td> <td></td> <td></td> <td>matrific and inside</td> <td>81</td> <td></td> <td>Weinheid</td> <td>About</td> <td>Conductors Mad Town</td> <td>Gate,Doncister,South<br/>Yorkshire,DN1 3NA,United</td> <td></td> <td></td>   | To Oher O            | 16.01.04               |           |                      | matrific and inside   | 81                     |          | Weinheid                    | About                     | Conductors Mad Town  | Gate,Doncister,South<br>Yorkshire,DN1 3NA,United                            |   |   |
| No.         No. <td>• o unner Countries</td> <td></td> <td>-40</td> <td>14.92</td> <td>INTERNET CONTRACTOR</td> <td>13</td> <td></td> <td></td> <td></td> <td></td> <td>41 Pocklington<br/>Crescent,Newark,Notlingham</td> <td></td> <td></td>   | • o unner Countries  |                        | -40       | 14.92                | INTERNET CONTRACTOR   | 13                     |          |                             |                           |  | 41 Pocklington<br>Crescent,Newark,Notlingham                                |   |   |
|  | Within the Country   | 15 01 04               | No        | 12.18                | metallic packaging<br>minture of concrete hereis sites and  | R3                     | м        | Weiched                     | Offsite in Ireland        |  | shire,NG24 2PG,United<br>Kinadom  |   |   |
| Name         Note         Note <th< td=""><td>Within the Country</td><td>17 01 07</td><td>No</td><td>2171.18</td><td>01.06</td><td>RS</td><td>м</td><td>Weighed</td><td>Offsite in Ireland</td><td></td><td>Kill.Co KildareIreland</td><td></td><td></td></th<>   | Within the Country   | 17 01 07               | No        | 2171.18              | 01.06   | RS                     | м        | Weighed                     | Offsite in Ireland        |  | Kill.Co KildareIreland  |   |   |
| Name         Note         Note <th< td=""><td>Within the Country</td><td>17 01 07</td><td>No</td><td>3879.29</td><td>ceramics other than those mentioned in 17<br/>01 08</td><td>R5</td><td>м</td><td>Weighed</td><td>Offsite in Ireland</td><td>Ballynagran Landfil,W0165-<br/>02</td><td>Ballynagran<br/>.WicklowIreland</td><td></td><td></td></th<>   | Within the Country   | 17 01 07               | No        | 3879.29              | ceramics other than those mentioned in 17<br>01 08  | R5                     | м        | Weighed                     | Offsite in Ireland        | Ballynagran Landfil,W0165-<br>02   | Ballynagran<br>.WicklowIreland  |   |   |
| Name         Note         Note <th< td=""><td></td><td></td><td></td><td>19.82</td><td>means of concrete, bricks, tiles and<br/>ceramics other than those mentioned in 17<br/>01 06</td><td>RS</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>  |                      |                        |           | 19.82                | means of concrete, bricks, tiles and<br>ceramics other than those mentioned in 17<br>01 06                                      | RS                     |          |                             |                           |  |   |   |   |
| Witch Group     19 10     No.     481.5     Mask and or cancel and c  |                      |                        |           |                      | ceramics other than those mentioned in 17   |                        |          |                             |                           |  | Navan Co. Meath Justice 1   |   |   |
| Witch Group     19 10     No.     481.5     Mask and or cancel and c  |                      |                        |           |                      |   |                        |          | Maria                       | Official in the           | Padraig ThomtonWaste<br>Disposal Ltd T/A Thomtons                            |   |   |   |
| Witch Group     19 10     No.     481.5     Mask and or cancel and c  |                      |                        |           |                      |   |                        |          | Weighed                     | Offsite in Ireland        | Ballynagran Landfil,W0165-<br>02   | Ballynagran<br>Wicklow Ireland  |   |   |
| Weine Score     91 92     No     2714     mean for seams for se  | Within the Country   | 19 12 09               | No        | 4985.54              | minerals (for example sand, stones)   | RS                     | м        | Weighed                     | Offsite in Ineland        | 02   | Navan.Co. MeathJreland<br>Baltionlass Co.                                   |   |   |
|  | Within the Country   | 19 12 09               | No        |                      |   |                        | м        | Weiched                     | Offsite in Ireland        | Rampere Landfill.W068-03<br>Padnaig Thomton Waste<br>Disnoval T/A Tho        | WicklowIreland  |   |   |
| Weining Courty       19 12 12       No.       19 13 1       No.       19 13 1       No.       19 14 1 </td <td>Within the Country</td> <td>19 12 09</td> <td>No</td> <td>256.72</td> <td>minerals (for example sand stones)<br/>other wastes (including mixtures of</td> <td>RS</td> <td>м</td> <td>Weiched</td> <td>Offsite in Ireland</td> <td>Recycling W0044-02</td> <td>12 Instand</td> <td></td> <td></td>   | Within the Country   | 19 12 09               | No        | 256.72               | minerals (for example sand stones)<br>other wastes (including mixtures of   | RS                     | м        | Weiched                     | Offsite in Ireland        | Recycling W0044-02   | 12 Instand  |   |   |
| Weise Location         Participant and Partitand Partitand Participant And Partitipant And Partitipant And Par                     | Within the Country   | 19 12 12               | No        | 1541.0               |   | D10                    | м        | Weighed                     | Offsite in Ireland        | Indaver Waste-to-Energy.   | Carranstown,Duleek,CO.<br>Meath_Ireland                                     |   |   |
| Note Account         10 12         No         Account         21 12         No         Account  |                      |                        |           |                      | other westes (including mixtures of<br>materials) from mechanical treatment of<br>matters after then from mechanical in 10.17   |                        |          |                             |                           | Ballmagran Levela Winner   | Balunagran  |   |   |
| Mathematical state         Mathema  | Within the Country   | 19 12 12               | No        | 1929.88              | 11  | D1                     | м        | Weighed                     | Offsite in Ireland        | n2   | Winklow Isaland   |   |   |
| Note Account         101 20         Account         201 Account         Account         201 Account         Account <td>Within the Country</td> <td>19 12 12</td> <td>No</td> <td>104.56</td> <td>materials) from mechanical treatment of<br/>wastes other than those mentioned in 19 12<br/>11</td> <td>D1</td> <td>м</td> <td>Weighed</td> <td>Offsite in Ireland</td> <td>Indaver Waste-to-Energy</td> <td>Carranstown,Duleek,CO.<br/>Meath Ireland</td> <td></td> <td></td>  | Within the Country   | 19 12 12               | No        | 104.56               | materials) from mechanical treatment of<br>wastes other than those mentioned in 19 12<br>11                                     | D1                     | м        | Weighed                     | Offsite in Ireland        | Indaver Waste-to-Energy  | Carranstown,Duleek,CO.<br>Meath Ireland                                     |   |   |
| Weis Na Courty         19 12 10         No.         2.04         2.04         No.         No.         2.04         No.  |                      |                        |           |                      |   |                        |          |                             |                           |  |   |   |   |
| Within Go Lowy         19 12 10         No.         5.20 4 10 minuted manual model of manual model mod                                       | Within the Country   | 19 12 12               | No        | 3084.34              | 11<br>other wastes (including mixtures of   | D1                     | м        | Weighed                     | Offsite in Ireland        | 02   | Navan Co. MeathIreland  |   |   |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$  | Within the Country   | 19 12 12               | No        | 539.4                | wastes other than those mentioned in 19 12 11   | D1                     | м        | Weighed                     | Offsite in Ireland        | Rampere Landfill.W068-03   | Baltinglass,Co.<br>WicklowIreland   |   |   |
| Marke Science         20191         No.         2144         assess and sector sect  |                      |                        |           |                      | other wastes (including mixtures of<br>materials) from mechanical treatment of<br>wastes other than those manimum in 10.55      |                        |          |                             |                           |  | Robinhood Industrial<br>Estate.Robinhood                                    |   |   |
| Wein Re Courty         20:101         No.         21:44 sear-ari catination         Rs         M         Notation         Open sear-ari<br>status         Control in the instance of the instance  | Within the Country   | 19 12 12               | No        | 40.98                | 11  | D1                     | м        | Weighed                     | Offsite in Ireland        | Environmental W0152-03   | Road Dublin 12 Ireland<br>3525 Colby  |   |   |
| With RG Courty         201 01         No.         2-02 of sector                                       | Within the Country   | 20 01 01               | No        | 316.44               | paper and cardboard   | R3                     | м        | Weiched                     | Offsite in Ireland        | North West Fibres.n/a  | 4782United Kinodom<br>Towers Business                                       |   |   |
| Non-state         Non-state <t< td=""><td>Within the Country</td><td>20 01 01</td><td>No</td><td>245.0</td><td>paper and cardboard</td><td>R3</td><td>м</td><td>Weighed</td><td>Offsite in Ineland</td><td>CAN Europe</td><td>Park,Wilmslow<br/>Road,Didsbury,WMCR M20<br/>2DX.United Kinodom</td><td></td><td></td></t<>  | Within the Country   | 20 01 01               | No        | 245.0                | paper and cardboard   | R3                     | м        | Weighed                     | Offsite in Ineland        | CAN Europe   | Park,Wilmslow<br>Road,Didsbury,WMCR M20<br>2DX.United Kinodom               |   |   |
| Within G. Coursy 20 33         Yes         0.4 Lanses         Mail         Warget<br>Warget         Mail Statute<br>Course         Mail Statute<br>Course         Other Instatute<br>Course         Other I  | county               |                        |           |                      | batteries and accumulators included in 16 06<br>01, 16 06 02 or 16 05 03 and unsorted   |                        |          |                             |                           | VIN Maria  |   |   |   |
| Within Security         201 01         No         201 misestanzana awaii         K4         M         Neutral         Channel and  | Within the Country   | 20 01 33               | Yes       | 0.64                 | ostenes and accumulators containing these<br>batteries  | R4                     | м        | Weighed                     | Offsite in Ireland        | Recycling W0113-02<br>Irish Packaging Recycling                              | Offaily Ineland<br>Ballymount   | oz, Tultamore,, Co<br>Offailv Instand                             | Instand   |
| webma kowy is 12 w w 2005 w koo eminimia menowa o is 12 0 w w meetine orana meane o issou<br>offer webma loading minutes<br>maxedui (from methodic) sammer of<br>To Other Counties 19 12 11 Vis 1952 w and kataleses 05 M Wegled Abnad Rechard E. 4400Betaius —Betaius   | Within the Country   | 20 03 01               | No        | 204.1                | mixed municipal waste   | R4                     | м        | Weiched                     | Offsite in Ireland        |  | Road,Walkinstown,Dublin<br>12Ineland  |   |   |
| webma kowy is 12 w w 2005 w koo eminimia menowa o is 12 0 w w meetine orana meane o issou<br>offer webma loading minutes<br>maxedui (from methodic) sammer of<br>To Other Counties 19 12 11 Vis 1952 w and kataleses 05 M Wegled Abnad Rechard E. 4400Betaius —Betaius   |                      |                        |           |                      |   |                        |          |                             |                           | Disposal T/A Thomtons<br>Recycling W0044-02<br>Oxigen Env; WFP-10-07         | Kileen Road, Dublin<br>12Ireland<br>Daingean, Tullemore Co.                 |   |   |
| To Other Countries 19 12 11 Yes 105.42 weste containing dancerous substances D5 M Weighed Abroad Recvivel BE. 4480Belgium B4480BelgiumBelgium  | Within the Country   | 19 12 07               | No        | 3035.78              | wood other than that mentioned in 19 12 06 other wastes (including mixtures of  | RS                     | м        | Weiched                     | Offsite in Ireland        | 0183-02  | Offely Ireland  | Recyfuel BE, "Zoning  |   |
|  | To Other Countries   | 19 12 11               | Yes       | 105.42               | waste containing dangerous substances   | DS                     | м        | Weighed                     | Abroad                    | Recvital BE.   | Zoring Industrial dEhein,8-<br>4480Beloium                                  | B4480Beloium  | Beloum  |