OXIGEN ENVIRONMENTAL

Annual Environmental Report 2015

W0152-03

Waste Transfer Station

At

Robinhood Industrial Estate,

Robinhood Road

Dublin 22

PREPARED BY OXIGEN ENVIRONMENTAL

MARCH 2016

Contents

1.0 Introduction

Oxigen Environmental holds an EPA Waste Licence (Reg No W0152-03) to operate a waste transfer & baling station at the Robinhood Industrial Estate, Dublin 22. In accordance with the requirements of condition 11.9 of the waste licence, an Annual Environmental Report (AER) for the facility must be submitted to the Environmental Protection Agency (EPA).

The AER covers the reporting period from the 1st January 2015- 31st December 2015.

The facility is located at:

Oxigen Environmental
Robinhood Industrial Estate,
Robinhood Road,
Dublin 22

The facility is located within an industrial area and is surrounded by Commercial units. The Robinhood Road is located at the northern boundary of the site.

Waste Handling activities at the site in 2015 consisted of acceptance, processing and despatch of municipal solid waste.

The activities which are permitted on site are as follows:

Third Schedule, Class 11	**Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.** This activity is limited to bulking and transfer of waste.
Third Schedule, Class 12	**Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.** This activity is limited to the transfer and reloading of waste.
Third Schedule, Class 13	**Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.** This activity is limited to storage prior to bulking and transfer or waste

2.0 Quantity and Composition of Waste Recovered, Received and Disposed

2.1 Waste Accepted

Waste Accepted at the facility consisted of a mixture of household & commercial municipal solid waste. The material accepted at the Oxigen Robinhood Facility during the reporting period is outlined in the table below. The material received was processed through the processing line where it was baled for export as a Refuse Derived Fuel (RDF). A breakdown of waste received at the facility can be found in figure 1.

Figure 1: Waste Accepted 2015

Waste Type	EWC	Quantity (Tonnes)
MIXED C&D	17 09 04	95.62
BULKY WASTE	20 03 07	2,121.91
MUNICIPAL WASTE	20 03 01	44,402.85
ORGANIC FINES	19 12 12	1,280.14
PLASTICS - HARD	17 02 03	1.18
PLASTICS - MIXED	20 01 39	116.66
RDF	19 12 12	3,597.08
WOOD NON PACKAGING	20 01 38	13.56
Grand Total		**51,629.00**

2.2 Waste Dispatched

All waste dispatched from the Oxigen Robinhood Facility was transferred to an approved destination. A breakdown of the waste transferred off site to each destination is outlined below.

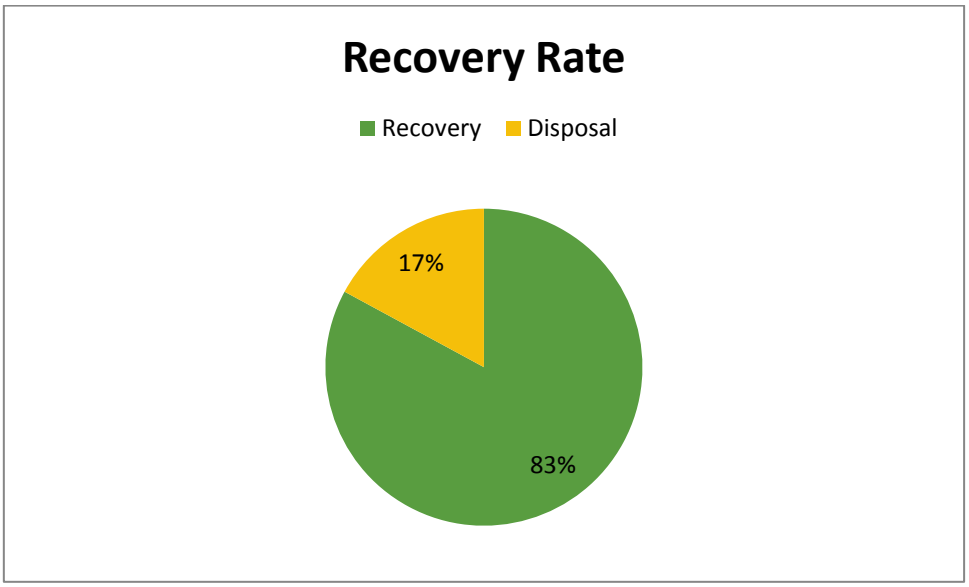
Figure 2: Waste Dispatched 2015

Waste Type	EWC Code	Destination	Quantity (Tonnes)
C&I BULKY WASTE	20 03 07	DREHID LANDFILL	97.3
MUNICIPAL WASTE	20 03 01	DREHID LANDFILL	2.9
		INDAVER IRELAND	310.38
		KNOCKHARLY LANDFILL	93.58
MSW PROCESSED	19 12 12	INDAVER IRELAND LTD	47.04
		DREHID LANDFILL	8,486.41
		INDAVER IRELAND LTD	359.55

		KNOCKHARLY LANDFILL	658.9
ORGANIC FINES	19 12 12	DREHID COMPOSTING	1,295.74
		ENRICH ENVIRONMENTAL	4,780.84
RDF	19 12 12	CELLMARK INC	16,475.74
		DROGHEDA PORT QUAYSIDE STORAGE LOCATION	17,842.66
		EFO AB	972.32
Grand Total			**51,423.36**

2.3 Recovery Rate

Oxigen Environmental has an 83% recovery rate from its facility in 2015.



3.0 Environmental Monitoring

All environmental monitoring conducted at Oxigen Robinhood is carried out by an approved contractor. The results of the monitoring are summarised below. Full original copies of the monitoring reports are maintained on site for inspection by the agency. As per schedule C monitoring is carried out on emissions to Air, Surface Water, Sewer & Dust.

3.1 Surface Water

Currently the surface water system on site is shut off. All surface water is being tankered off site to an approved destination. As a result of this the monitoring location for surface water (TSW2) was reported as being Dry.

Figure 3: Surface Water Results

Parameters	Units	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Temperature	*C	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
pH	pH units	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
Conductivity	uScm -1	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
BOD	mg/l	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
COD	mg/l	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
SS	mg/l	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
Ammonia	mg/l	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
Mineral Oils	mg/l	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
Sulphates	mg/l	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
Total Nitrogen	mg/l	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
Chloride	mg/l	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY

3.2 Foul Water

Foul water monitoring was carried out throughout 2015.

Figure 4: Monthly Foul Water

Parameter	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
pH	N/A	N/A	6.49	6.67	6.49	6.75	6.62	7.03	DRY	7.46	DRY	6.57
BOD	N/A	N/A	442	262.5	460	454	209	74	DRY	290	DRY	153
COD	N/A	N/A	1337	475	813	954	681	216	DRY	749	DRY	280
Total Suspended Solids	N/A	N/A	247	122	164	176	361	50	DRY	86	DRY	91
Sulphates (as SO4)	N/A	N/A	N/A	N/A	N/A	12.9	2	N/A	DRY	N/A	DRY	N/A
Oils, Fats & Grease	N/A	N/A	40	40.5	37	38	59.5	15	DRY	28	DRY	20
Mineral Oils	N/A	N/A	0.121	0.223	0.12	0.1	0.1	1.772	DRY	1.768	DRY	7.72
Detergents	N/A	N/A	0.052	0.026	0.014	N/A	N/A	0.0001	DRY	0.004	DRY	0.098

January & February monitoring results have been omitted due to incorrect sampling locations & incorrect sampling techniques being employed. This has since been rectified. During the months of September & November the sampling location was recorded as being dry. Overall from the samples that were taken correctly were all within the parameters required under waste licence W0152-03. The foul water interceptor underwent a full service during 2015.

3.3 Air Monitoring

Air monitoring occurs at three locations around the facility. The parameters which are measured include Mercaptans, Hydrogen Sulphide & Ammonia. There is no change in the results throughout the course of the year.

Figure 5: Monthly Air Monitoring

	Parameter	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Emission Point A	CH_4S	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	H_2S	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
	NH_3	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Emission Point B	CH_4S	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	H_2S	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
	NH_3	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Emission Point C	CH_4S	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	H_2S	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
	NH_3	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25

3.4 Dust Monitoring

Figure 6: Dust Monitoring

D1	D2	D3
247.7	245	245.8

All dust monitoring was within the required limits as set out under the conditions of W0152-03.

4.0 Resource Consumption

The main natural resources used on site are Electricity, Gas Oil & Water. The main users of the energy are in the RDF plant, grab machine, loading shovel & on site shunter.

4.1 Electricity Usage

The total electricity usage for the site for 2015 was 598 Mw Hrs.

4.2 Diesel Consumption

The main use of diesel on site is for the rolling plant, which includes a loading shovel, grab machine & forklift. Diesel usage on site for 2015 was in the region of 30m³.

4.3 Water Usage

Water usage on site would be quite low. Water is only used for the washing down of shed and yard area and the washing down of rolling plant. A small amount of water would also be used within the staff welfare facilities. No water is used on site for the processing of waste.

5.0 Infrastructural Developments

In 2015 a new waste screen was introduced in to the RDF line. This was in place of the already existing trommel. The installation of the waste screen resulted in an increase in recovery of materials sent for composting. This was in line with the objectives and targets set out in the Environmental Management System.

The installation of ACO drains in from of each of the main doors was completed in 2015. These ACO drains are diverted to the foul drainage system. This resulted in less run off from entering into the surface water drainage system.

A full service was carried out on both the foul & surface water interceptors on site. This included a full replacement of the filters in both systems.

Concrete repair works were carried out as necessary to the hardstand in the yard and also at the entrance to the facility.

6.0 Environmental Management Program

Oxigen Environmental operates an Environmental Management system accredited to the ISO14001 standard. As part of this Objectives and targets are set each year. Those set for 2015 and their progress towards completion are detailed below. Also detailed below are the proposed objectives and targets set out for 2016.

As part of the Environmental Management Programme Oxigen Environmental is committed to the following:

- The prevention of pollution and continual improvement through the setting of and continual review of environmental objectives and targets and the pioneering new innovative technologies.
- Compliance with all applicable Irish and EU legislation, policies, plans and targets and the ISO14001:2004 Standard.
- Ensuring efficient usage of resources such as electricity, water and fuel and promoting a policy of recycling/recovery of waste wherever possible, both in-house and with customers.
- Providing the necessary training and support to employees to ensure that they are able to fulfil the commitments set out in this statement of company policy.
- Minimising the risks of environmental incidents and, in conjunction with the appropriate authorities, ensuring an emergency response capability to deal with leaks or spillages.
- Encouraging contractors, suppliers and customers to develop a similarly concerned approach to the protection of the environment.
- Being open and honest, and increasing public awareness on environmental sensitivity and responsible waste management. Our Environmental policy & information relating to each facility is available to all interested parties.
- Fully considering the impact on the environment before committing capital expenditure or entering into any new business ventures.

Figure 7: EMS Review 2015

DOC OXE05 Objective & Target Programme (2015)					REV 01			
Objective	Description	Aspect	Target	Person Responsible	Target Completion Date	Progress	Review Date	Comment
1	To reduce air emission from the facility	Odour	Provide refresher training to staff in the importance of management practices on site to prevent the escape of fugitive odour	Operations Manager, Environmental Compliance Officer	**30/11/2015**	**100%**	**Complete**	Refresher training provided in Nov 15
2	To increase recovery rate from facility	Natural Resources	To increase recovery rate from the facility, the system will be upgraded with a waste screen which will removed a greater amount of organic fines from the raw material and lower the BMW content of the material.	The Facility Manager and Operations Manager	30/06/2015	100%	Complete	Upgrade Completed July 2015
3	To increase environmental awareness/environmental education	Natural Resources	Bespoke training to be carried out with key members of staff to increase environmental awareness on site. All training to be approved by the EPA and in compliance with licence requirements	The Facility Manager, Operations Manager and Environmental Compliance	01/02/2015	100%	Complete	Completed jan 2015 - Certs of training in Training Folder
5	To improve drainage system on site to reduce impact to receiving waters	Natural Resources	Investigate drainage on site and upgrade to Surface and Foul water interceptor. Upgrade of filters.	The Facility Manager, Operations Manager and Environmental	01/03/2015	100%	Complete	Full service carried out on Interceptors Feb 15

				Compliance				
6	To improve drainage system on site to reduce impact to receiving waters	Natural Resources	Investigate the possibility of diverting surface water (dirty water - trade effluent) run off from concrete yard area to foul water drainage system on site. Before these works can be carried out on site relevant approval is required from Irish Water / SDCC and EPA.	Eng/Development Team/Operations manager	01/10/2015	50%	**Ongoing**	Discussion with SDCC and EPA with regard to road closure and diverting of foul water drain
7	To achieve ISO 14001 Status by the end of the year	General Compliance	Update the EMS to bring it in line with the ISO 14001 standard	Compliance Officer, Operations Manager	31/12/2015	100%	**Complete**	EMS accredited to ISO Standard on the 09/12/2015
8	Reduction of emissions to Surface Water	Water Quality	Installation of new ACO drains in front of all shutter doors to capture run off from the building and divert this to foul	Facility manager, Eng/ Development Team	30/06/2015	100%	**Complete**	All aco drains have been installed
9	Staff awareness & Training	General Compliance	To carry out training with key members of staff	Environmental Compliance Officer	30/03/2015	100%	**Complete**	Training completed early 2015

Figure 8: Objective & Targets 2016

Objective	Description	Aspect	Target	Person Responsible
1	To improve drainage system on site to reduce the impact to receiving water	Natural Resources	Investigate the possibility of diverting surface water (dirty water - trade effluent) run off from concrete yard area to foul water drainage system on site. Before these works can be carried out on site relevant approval is required from Irish Water / SDCC and EPA.	Eng Team, Operations Manager, Compliance Team
2	To reduce emissions to groundwater	Natural Resources	Carry Out a full inspection of the concrete hardstand at the Facility	Engineering Team, Operations Manager, Compliance Team
			Implement a programme of works to ensure all areas of the hardstand are sufficiently covered.	
3	To reduce Air Emissions from the facility	Odour	Provide induction training to all new staff on site and make them aware of the importance of the control measures in place	Environmental Compliance Team
			Replacement of the Carbon in the Odour Abatement System	Operations Manager/ Facility Manager
4	To ensure emergency preparedness and response	Fire/ Natural Resources	To review and update the emergency response procedure as required	Environmental Compliance Team
			Carry out training into all aspects of the Emergency Response	
			Carry out a test of the emergency response procedure by simulating an incident	Operations Manager/ Facility Manager/ Environmental compliance team

5	Waste Characterisation Studies	Natural Resources	Complete a waste characterisation Study to understand the material being consigned to the facility	Operations Manager/ Environmental Compliance Team

7.0 Tank, Drains & Bund Testing Summary

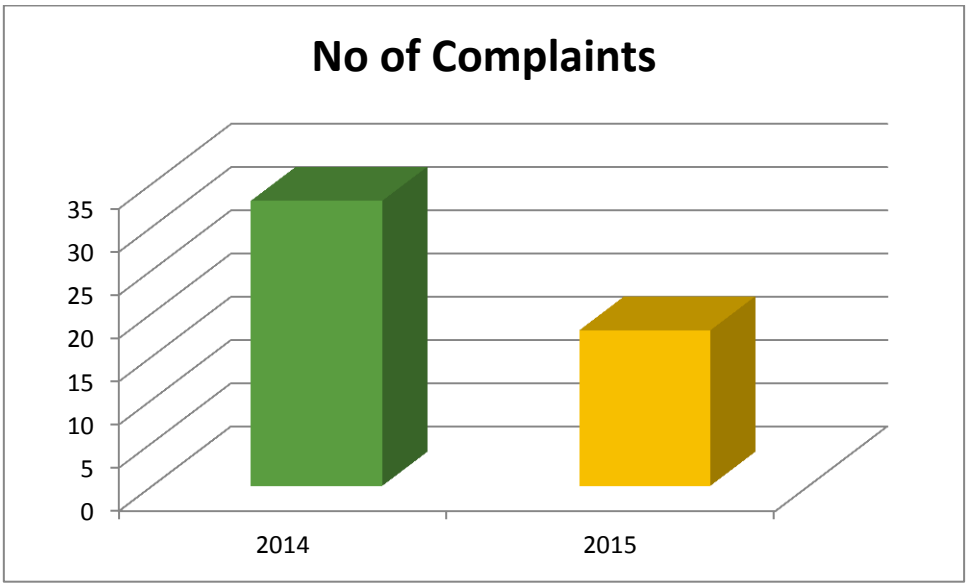
As per condition 3.10.5 of W152-03, the integrity and water tightness of all bunds must be demonstrated by the licence holder at a minimum of once every three years.

All bunds on site were tested by the facility manager in June 2013. These will be retested by the facility manager by June 2016. All bund testing is carried out in accordance with OXEP 21 Bund testing Procedure. Copies of the bund testing results are maintained by the Environmental Compliance department.

8.0 Complaints & Incidents Summary

8.1 Complaints Summary

A total of 18 complaints were received in 2015. The represents a 45% decrease in the number of complaints received by Oxigen Environmental Robinhood. This is largely down to a commitment by Oxigen Environmental to reduce and minimise the risk of nuisance being created in the surrounding area.



A copy of the complaints register for Oxigen Robinhood is available at the facility office.

8.2 Incidents Summary

Oxigen Environmental reported no incidents to the EPA during 2015.

9.0 Review of Nuisance Controls

9.1 Nuisance Control Introduction

Oxigen Environmental is committed to the reduction in the risk of any nuisance causing or potentially causing environmental pollution. The facility manager conducts daily, weekly and monthly site checks to ensure that no nuisance is being identified on site. A record of these inspections is maintained at the facility for viewing by the agency. The environmental compliance team shall also conduct regular inspections of the facility to ensure that no nuisance is being caused by on site activities. The main risk of nuisance comes from odour, rodents & flies.

9.2 Odour

Odour continues to remain one of the most significant aspects facing Oxigen Robinhood. In order to counteract this Oxigen have employed strict control measures to reduce the risk. These include:

- Increased training & awareness among staff. This was done through the use of toolbox talks and refresher training which was provided by the Environmental Compliance Team
- Daily checks on the odour abatement system by the facility manager
- Routine odour assessments conducted in the area by the environmental compliance team at sensitive receptors.

9.3 Pest Control

Oxigen Environmental employs the services of Eastern Pest Control (EPC) in order to monitor and eradicate pests on site. A number of bate boxes are located around the facility which EPC check during their site visits. EPC are contracted to carry out a minimum of eight site visits per annum to check on rodent control. No increase in rodents was noted during any of their inspections.

9.4 Fly Control

EPC also provide Oxigen Environmental with Fly Control measures to reduce any fly activity. Fly spraying is carried out at regular intervals throughout the year with spraying increasing during periods of warmer weather or whenever increased fly activity is noted on site during the facility manager's daily site nuisance checks. Records of all fly sprays are maintained on site for inspection by the agency inspectors.

10.0 Financial Provisions

An environmental liabilities risk assessment and closure restoration and aftercare management plan has been submitted and agreed with the agency.

11.0 Programme for Public Information

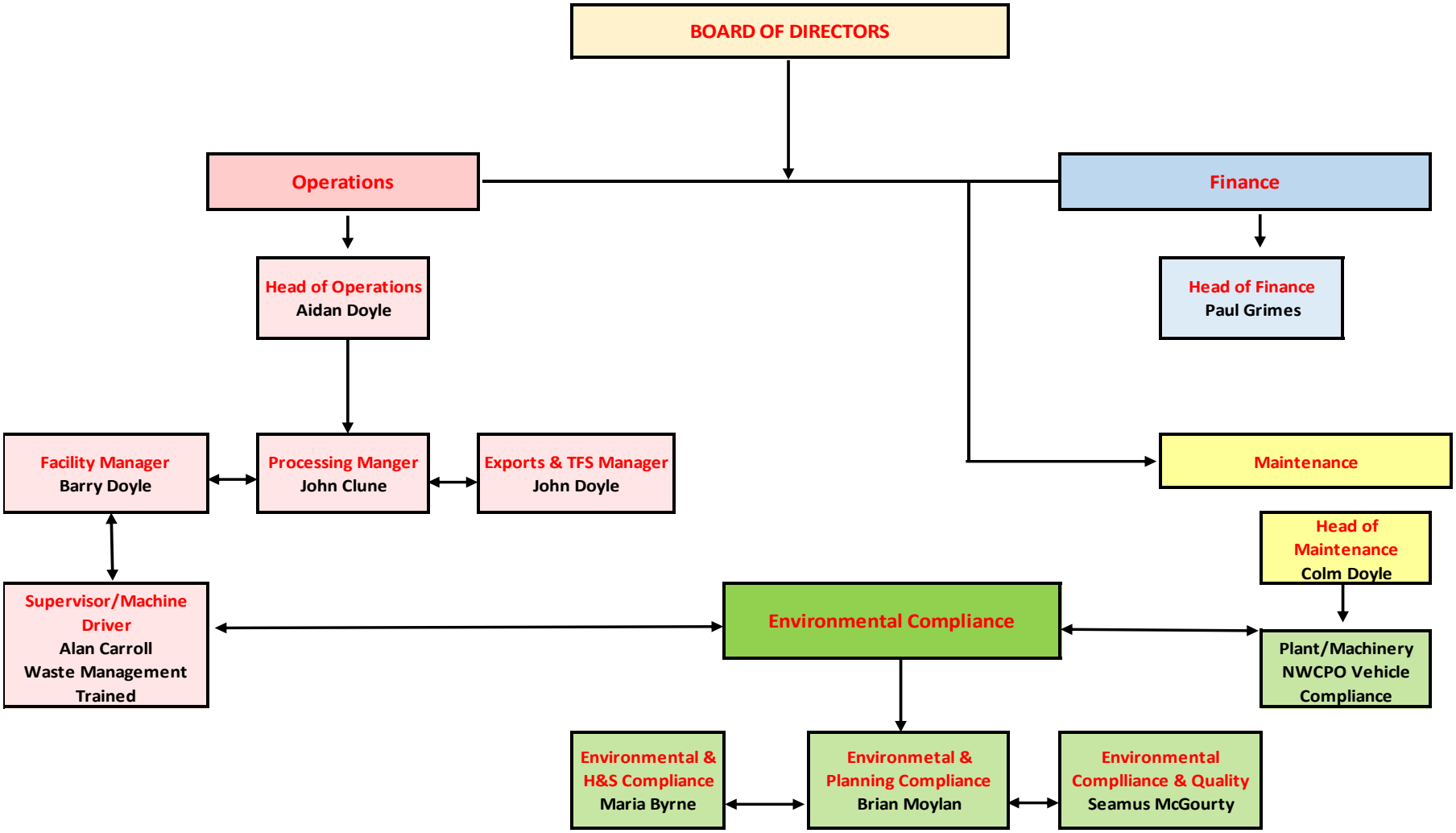
A program for public information is in place at the facility. During the reporting period there were no requests from the public to inspect any of the records and files listed in the submission.

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

- Complaints Register
- Current Waste Licence
- Environmental Policy
- Waste Licence W0152-03
- A copy of the facility EMS

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 3.3.

12.0 Management Structure


BOARD OF DIRECTORS
Operations
Finance
Head of Operations
Aidan Doyle
Head of Finance
Paul Grimes
Facility Manager
Barry Doyle
Processing Manger
John Clune
Exports & TFS Manager
John Doyle
Maintenance
Head of Maintenance
Colm Doyle
Supervisor/Machine Driver
Alan Carroll
Waste Management Trained
Environmental Compliance
Plant/Machinery NWCPO Vehicle Compliance
Environmental & H&S Compliance
Maria Byrne
Environmetal & Planning Compliance
Brian Moylan
Environmental Complliance & Quality
Seamus McGourty

Environmental Protection Agency

Guidance to completing the PRTR workbook

PRTR Returns Workbook

Version 1.1.19

REFERENCE YEAR	2015

1. FACILITY IDENTIFICATION

Parent Company Name	Oxigen Environmental
Facility Name	Oxigen Environmental (Robinhood)
PRTR Identification Number	W0152
Licence Number	W0152-03

Classes of Activity

No.	**class_name**
-	Refer to PRTR class activities below

Address 1	Robinhood Industrial Estate
Address 2	Robinhood Road
Address 3	Ballymount
Address 4	Dublin 22
	Dublin
Country	Ireland
Coordinates of Location	-6.35817 53.3189
River Basin District	IEEA
NACE Code	3821
Main Economic Activity	Treatment and disposal of non-hazardous waste
AER Returns Contact Name	Maria Byrne/ Seamus McGourty
AER Returns Contact Email Address	mabyrne@oxigen.ie
AER Returns Contact Position	Environmental Compliance Officer
AER Returns Contact Telephone Number	014263118
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	10
User Feedback/Comments	
Web Address	www.oxigen.ie

2. PRTR CLASS ACTIVITIES

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

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

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

4. WASTE IMPORTED/ACCEPTED ONTO SITE Guidance on waste imported/accepted onto site

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

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

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

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

SECTION B : REMAINING 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/Year
					0.0	0.0	0.0	0.0

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

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

RELEASES TO AIR					Please enter all quantities in this section in KGs					
POLLUTANT		METHOD						QUANTITY		
			Method Used							
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	Emission Point 2	Emission Point 3	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
210	Dust	M	ALT	VDI 4320 Part2	93.85	92.82	93.14	279.81	0.0	0.0

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

Additional Data Requested from Landfill operators

For the purposes of the National Inventory on Greenhouse Gases, landfill operators are requested to provide summary data on landfill gas (Methane) flared or utilised on their facilities to accompany the figures for total methane generated. Operators should only report their Net methane (CH4) emission to the environment under T(total) KG/yr for Section A: Sector specific PRTR pollutants above. Please complete the table below:

Landfill: Oxigen Environmental (Robinhood)

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

4.2 RELEASES TO WATERS

Link to previous years emissions data

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

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

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

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

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

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

4.3 RELEASES TO WASTEWATER OR SEWER

Link to previous years emissions data

SECTION A : PRTR POLLUTANTS

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
			Method Used					
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

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

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

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
			Method Used					
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
303	BOD	M	ALT	APHA - 5210 - B	14.65	14.65	0.0	0.0
306	COD	M	ALT	APHA - 5220 - D	34.405	34.405	0.0	0.0
240	Suspended Solids	M	ALT	APHA - 2540 - D	8.11	8.11	0.0	0.0
343	Sulphate	M	ALT	APHA - 4110 - B	0.37	0.37	0.0	0.0
314	Fats, Oils and Greases	M	ALT	APHA - 5520 - B	1.74	1.74	0.0	0.0
324	Mineral oils	M	ALT	GC-FID	0.07	0.07	0.0	0.0
308	**Detergents (as MBAS)**	M	ALT	APHA - 5540 - C	0.0016	0.0016	0.0	0.0

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

4.4 RELEASES TO LAND Link to previous years emissions data

SECTION A : PRTR POLLUTANTS

RELEASES TO LAND					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
					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)

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

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

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

Please enter all quantities on this sheet in Tonnes

0

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste : Name and Licence/Permit No of Next Destination Facility Non Haz Waste: Name and Licence/Permit No of Recover/Disposer	Haz Waste : Address of Next Destination Facility Non Haz Waste: Address of Recover/Disposer	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used					
Within the Country	19 12 12	No	4780.84	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11 (Organic Fines)	R3	M	Weighed	Offsite in Ireland	Enrich Environmental Ltd,WMP2004/57	Larch Hill Stud,Kilcock,Co. Meath,.,Ireland		
Within the Country	19 12 12	No	8486.41	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11 (MSW Processed)	D5	M	Weighed	Offsite in Ireland	Drehid Waste Management Facility,W0203-03	Carbury,.,.,Co.Kildare,Ireland		
Within the Country	19 12 12	No	658.9	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11 (MSW Processed)	D5	M	Weighed	Offsite in Ireland	Knockharley Landfill,W0146-02	Navan,Co. Meath,.,.,Ireland		
Within the Country	19 12 12	No	406.59	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11 (MSW Processed)	R1	M	Weighed	Offsite in Ireland	Indaver,W0167-02	Carranstown,Duleek,Co. Meath,.,ireland		
Within the Country	19 12 12	No	1295.74	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11 (Organic Fines)	R3	M	Weighed	Offsite in Ireland	Drehid Waste Management Facility,W0203-03	Carbury,.,.,Co.Kildare,Ireland		
To Other Countries	19 12 12	No	16475.74	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11 (RDF)	R1	M	Weighed	Abroad	Cellmark Inc,.	Heuvel 7,NL-5664,HK Geldrop,.,Netherlands		
To Other Countries	19 12 12	No	972.32	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11 (RDF)	R1	M	Weighed	Abroad	EFO. AB,.	Kungsgatan 50,SE-111 35,Stockholm,.,Sweden		
Within the Country	20 03 07	No	97.3	bulky waste	D5	M	Weighed	Offsite in Ireland	Drehid Waste Management Facility,W0203-03	Carbury,.,.,Co.Kildare,Ireland		
Within the Country	20 03 01	No	2.9	mixed municipal waste	D5	M	Weighed	Offsite in Ireland	Drehid Waste Management Facility,W0203-03	Carbury,.,.,Co.Kildare,Ireland		
Within the Country	20 03 01	No	310.38	mixed municipal waste	R1	M	Weighed	Offsite in Ireland	Indaver,W0167-02	Carranstown,Duleek,Co. Meath,.,ireland		
Within the Country	20 03 01	No	93.58	mixed municipal waste	D5	M	Weighed	Offsite in Ireland	Knockharley Landfill,W0146-02	Navan,Co. Meath,.,.,Ireland		
Within the Country	19 12 12	No	17842.66	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	R13	M	Weighed	Offsite in Ireland	Drogheda Port Company,WFP-LH-13-0001-01	Tom Roes Point Facility,Baltray Road,Drogheda,Louth,Ireland		

* Select a row by double-clicking the Description of Waste then click the delete button

Link to previous years waste data
Link to previous years waste summary data & percentage change
Link to Waste Guidance