

OXIGEN ENVIRONMENTAL LIMITED



Oxygen

working for a cleaner environment

**Annual Environmental Report
2010
W0152-03
For
Waste Transfer Station
At
Robinhood Industrial Estate,
Robinhood Road
Ballymount
Dublin 22**

March 2011

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1.0 Introduction

Oxygen Environmental Limited holds EPA Waste Licence Register Number W0152-03 to operate a Waste Transfer Station at the Robinhood Industrial Estate, Robinhood Road, Ballymount, 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).

This AER covers the reporting period from the 1st of January 2010 to the 31st of December 2010.

This facility is located at:

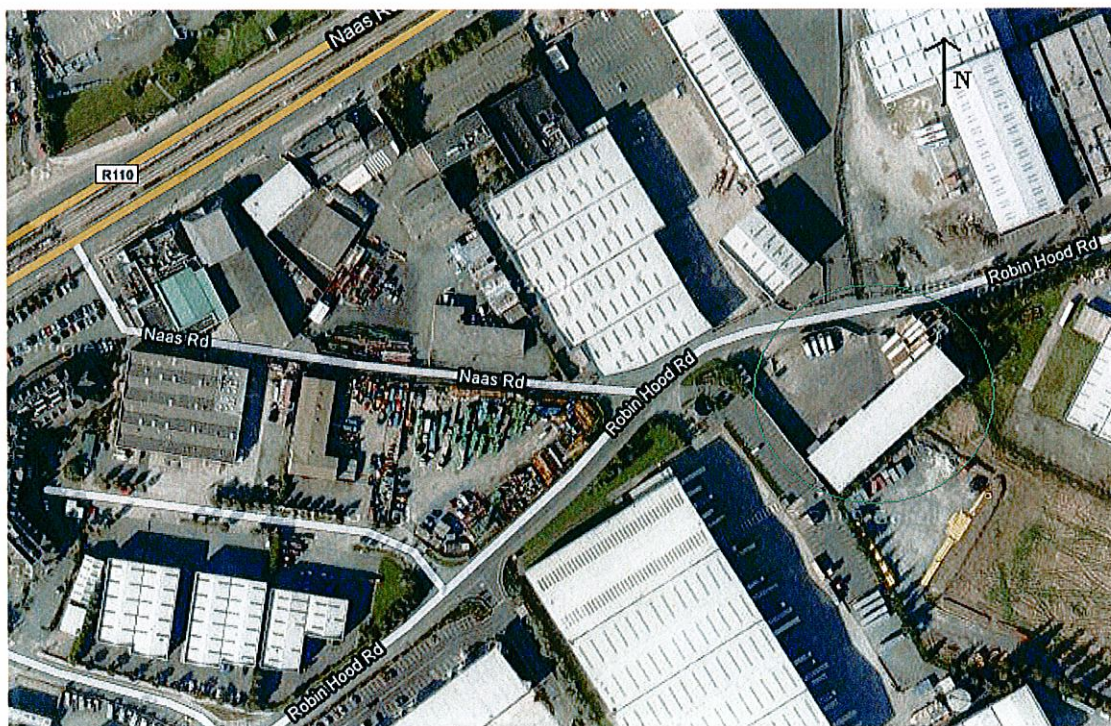
Oxygen Environmental Ltd.,
Robinhood Industrial Estate,
Robinhood Road,
Ballymount,
Dublin 22.

Tel: 01 4263118

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The Waste Transfer Station is located within an industrial area. The facility is surrounded by warehouses and industrial businesses. The Robinhood Road is located at the northern boundary of the site.

Figure 1.1. Location Map of Oxygen Environmental Ltd., Robinhood.



Google 2011

2.0 Description of Operations

Waste handling activities at the site in 2010 consisted of the acceptance and bulking up of municipal solid waste preceding transfer to landfill. All the waste that was destined for Arthurstown Landfill (W0004-03) was baled prior to transfer.

2.1 Process Operations

The licensed waste activities, permitted under the Third Schedule of the Waste Management Acts 1996 to 2003, in the Waste Licence W0152-3 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 of waste.

All the waste that enters the facility is recorded on arrival using the Genesys software system. The vehicle is then directed to the tipping area inside the shed where the load is inspected. Any non-conforming material such as recyclables or large bulky items are segregated out from the pile, reloaded into a skip and transferred to the Oxigen Ballymount Facility (W0208-01) for recovery.

3.0 Quantity and Composition of Waste Recovered, Received and Disposed of during the Reporting Year 2010

3.1 Waste received at the facility consisted of household and commercial municipal solid waste, food waste and small quantity of plastic. This material was either baled for transfer to landfill or temporarily stored prior to transfer for recycling or recovery. The waste received at Robinhood during the reporting period was recorded in tonnes. The breakdown of quantities received as per each EWC type is listed in Table 3.1.1.

Table 3.1.1 Tonnage of Waste Received by Material Type

EWC Code	Material Type	Weight (Tonnes)
20 03 01	Mixed municipal	56,727.63
20 01 08 / 20 02 01	Food Waste & Brown bin waste	799.24
19 12 12	Processed MSW	102.36

3.2 All waste transferred from the Oxigen Robinhood Facility was transferred to EPA approved permitted or licensed facilities. The majority of waste removed from the facility was baled municipal waste which was transferred to Arthurstown Landfill in Kill, Co. Kildare. Other waste consigned was sent for further recovery.

Table 3.2.1 Tonnage of Waste Removed from the facility by Destination and Material

Destination/ Material	Permit/Licence Number	Food Waste	MSW	C&D	Total
		20 02 01	20 03 01	17 09 04	
Arthurstown Landfill	W0004-03		28,361.91		28,361.91
Drehid Landfill	W0201-03		4,364.91		4,364.91
Kyletalesha Landfill	W0026-02		5,690.30		5,690.30
Offaly Landfill	W0029-02		4,289.94		4,289.94
Knockharley Landfill	W0146-03		4,177.80		4,177.80
Ballydonagh Landfill	W0028-03		2,477.30		2,477.30
Scotch Corner Landfill	W0020-20		247.26		247.26
Whiteriver Landfill	W0060-02		5,820.66		5,820.66
Rampere Landfill	W0066-02		615.88		615.88
O'Tooles Composting	WP01-07	361.00			361.00
Oxigen, Ballymount	W0208-01			29.32	29.32
Total		361.00	56,045.96	29.32	56,436.28

4.0 Emissions from the Facility

Environmental monitoring results for the reporting period are outlined in the following sections. The results have been summarised in the tables below and the original monitoring reports are available on site. The sampling points for the environmental monitoring are unchanged and the results show that there is a high level of compliance with the standards set in the licence. An environmental monitoring results summary is also presented in the 2010 PRTR Returns Worksheet in Appendix 2.

Tables 4.1.1 and 4.1.2 Monthly Foul Water Results 2010

	Unit	Elv				
		Jan	Jul	Aug	Oct	
Sulphates (as SO4)	mg/l	1000	88.2	23.4	86	55
Flow Rate	m ³ /hr	1	0.27	0.11	0.27	0.19

Parameter	Units	ELV	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Temperature	*C	42	12.3	15.2	11.8	13.1	16.2	18.5	17.5	18.5	16.4	17.1	15.1	7.5
pH	pH Units	6-10	6.06	6.43	6.72	6.68	6.99	7.16	7.34	7.87	7.74	7.94	8.44	7.07
BOD	mg/l	1000	990	196	277	616	574	52	180	187	215	102	133	117
COD	mg/l	3000	2600	370	1100	2200	970	99	420	620	1100	350	300	250
Total Suspended Solids	mg/l	1000	684	352	626	290	297	27.1	51	79	67	73	25	51
Oils, Fats & Grease	mg/l	100	13	46	23	49	37	6	18	50	14	16	18	13
Mineral Oils	mg/l	10	0.19	0.08	<0.01	0.028	<0.01	<0.01	<0.01	<0.1	<0.1	0.026	<0.01	6.81
Detergents	mg/l	100	0.24	0.12	0.39	<0.0001	<0.001	0.297	0.098	0.004	0.05	0.114	0.324	<0.001

The reading for BOD in November has slightly exceeded the Emission Limit Value as laid out in the Licence. The interceptor was immediately emptied and cleaned out and all subsequent results have been within the limit values.

4.2 Schedule B.2 and C.2.2 of Waste Licence W0152-03 requires that emissions to surface water are analysed on the monthly basis. The samples are analysed for Biological Oxygen Demand, Suspended Solids, Ammonia and Mineral Oils. The results are presented below. TSW1 is located at a border of the facility and the samples that are analysed at this point are representative of what came onto the site. TSW2 is located at the far end of the facility, the water that is sampled at this point flows through the site and the interceptor before arriving at TSW2. Therefore, in order to get an accurate reading for emissions contributed by Oxigen, we have taken the difference between the emissions at TSW1 and TSW2.

Table 4.2.1 Monthly Surface Water Results 2010

Parameters	Units	Monitoring Point	Jan	Feb	March	April	May	June	July	August	September	October	November	December	
BOD	mg/l	TSW1	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
		TSW2	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
		Increase/Decrease	n/a	n/a	n/a	n/a	n/a	n/a	26	n/a	n/a	n/a	n/a	n/a	n/a
Suspended Solids	mg/l	TSW1	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
		TSW2	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
		Increase/Decrease	n/a	n/a	n/a	n/a	n/a	n/a	77	n/a	n/a	n/a	n/a	n/a	n/a
Ammonia (as N)	mg/l	TSW1	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
		TSW2	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
		Increase/Decrease	n/a	n/a	n/a	n/a	n/a	n/a	0.06	n/a	n/a	n/a	n/a	n/a	n/a
Mineral Oils	mg/l	TSW1	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
		TSW2	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
		Increase/Decrease	0	0	0	0	0	0	0	<0.01	n/a	n/a	n/a	n/a	n/a

4.3 Schedule B.1 and C.6 of Waste Licence W0152-03 requires that dust emissions are monitored on a quarterly basis. The results are displayed below.

Table 4.3.1 Quarterly Dust Results 2010

Monitoring Station	Units	ELV	January	February	May	July
D1	mg/m ² /day	350	Missing	119.7	212.6	179.4
D2	mg/m ² /day	350	292.5	125.7	187.9	197.2
D2	mg/m ² /day	350	314.3	184.6	234.2	180

4.4 Schedule B.1 and C.1.2 of Waste Licence W0152-03 requires that certain emissions to air are monitored. Ammonia, Hydrogen Sulphide and Mercaptans are monitored on the monthly basis while amines, odour units and particulates are monitored bi-annually. The results are displayed below.

Table 4.4.1 Monthly Air Emissions Results 2010

Parameter	Units	ELV	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
Mercaptan	Conc ppm (v/v)	5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	Hydrogen Sulphide	Conc ppm (v/v)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	Ammonia	Conc ppm (v/v)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Mercaptan	Conc ppm (v/v)	5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	Hydrogen Sulphide	Conc ppm (v/v)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	Ammonia	Conc ppm (v/v)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Mercaptan	Conc ppm (v/v)	5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	Hydrogen Sulphide	Conc ppm (v/v)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	Ammonia	Conc ppm (v/v)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5

Table 4.4.2 Particulates Results 2010

Monitoring Point	May						September				
	Sampling Times			Particulates Conc $\mu\text{g}/\text{m}^3$			Particulates Conc $\mu\text{g}/\text{m}^3$				
	Start	Finish	Finish	Average	Min	Max	Start	Finish	Average	Min	Max
A1	9.24	10.21	10.21	21	2	68	8.12	9.11	11	1	46
A2	10.26	11.34	11.34	16	3	75	9.17	10.2	19	4	84
A3	11.42	12.38	12.38	21	1	89	10.25	11.2	18	2	76

There are no emissions limit values for particulates specified in the Licence for the facility. Particulate levels are low and are at the background concentrations for the area.

Table 4.4.3 Odour Results 2010

Monitoring Point	Average Odour Unit	March	December
A1	ou/m ³	1	2
A2	ou/m ³	2	1
A3	ou/m ³	2	3

There are no emissions limit values for odour units specified in the Licence. The odour units are low at all locations. Generally at 5 ou/m³ people become consciously aware of the presence of an odour and levels greater than this are strong enough to lead to complaints being made.

4.5 Schedule B.4 and C.5 of Waste Licence W0152-03 requires that noise monitoring is carried out on an annual basis. The annual noise monitoring for 2010 was carried out on the 22nd November. The locations of the monitoring points are mapped in Appendix 1 and the results of the noise monitoring are detailed below.

Table 4.5.1 Annual Noise Results 2010

Location	Sampling Interval	Duration (mins)	L _{AEQ}	L _{A10}	L _{A90}	Wind Speed m/s	Sampling Notes
Day Time Measurement							
N1	1206-1306hrs	60	67.2	70.4	62.2	0.5-1.0	Traffic passing on the road brings levels up to 75dB at times. Activity can be heard ~52-60dB at times.
N2	1310-1410hrs	60	79	81	73.6	0.5-1.0	Activity is audible at this location between 70 and 80dB. Traffic on road up to 58 dB. Trucks left running near meter throughout monitoring reaching up to 77 dB.
N3	1103-1203hrs	60	69.3	69.9	68.4	0.1-1.0	Odour abatement unit running throughout monitoring period reaching up to 69 dB. Lorries entering the plant reach up to 75 dB.
N4	0959-1059hrs	60	73.4	74.9	62.6	0.1-1.0	Plant can be heard at between 50-60 dB. Traffic from road is main noise source reaching up to 80 dB. Trucks moving around site reach 75dB
NSL1	1419-1519hrs	60	61.9	63.4	56.1	0.1-1.0	Traffic reaches up to 65 dB. Plant barely audible above background.
Night Time Measurement							
NSL1	2310-0010hrs	60	43.9	46.5	41.2	0.1-0.8	Passing traffic and distant traffic are the main source of noise. The plant is not operating at this time.

The noise limits for the operation are laid out in the Licence. The daytime limit is $L_{Aeq} < 55\text{dB}$ over 30 minutes and the night time limit is $L_{Aeq} < 45\text{dB}$ over 30 minutes.

Traffic movements not associated with the operation were the main contributing factor to the L_{Aeq} levels. The background noise levels excluding the impact from traffic at up to 53.0 dB is a better indication of noise emanating from the operation. Plant activity was below 55 dB at all locations. Night time noise levels at NSL1 are greater than the night time limit of 45dB due to passing traffic. The plant is closed at night and so makes no noise contribution.

5.0 Resource and Energy Consumption Summary

Gas oil and Electricity are the two forms of energy used on site. This energy is used to power machinery such as the baler and to fuel vehicles such as the front end loader and shunter. Electricity is also used in the day to day running of the canteen and office.

Table 5.1 Summary Table of Resource Consumption for the Reporting Period

Site Energy Usage 2010	Quantity	Units
Gasoil	62,146	Litres
Electricity	803,090	kWh
Water	420.000	Litres

5.2 Diesel Consumption

The diesel consumption at the facility increased significantly in 2010 when compared to the previous year. The quantity used in 2010 was 62,146 litres compared to 20,713 litres used in 2009. This was largely due to an increase in tonnage accepted on site, increase the use of machinery and increased baling operations in 2010. Figure 5.2.1 shows the diesel usage trend over the two year period by month. Figure 5.2.2 shows the usage per tonne processed for both years.

Figure 5.2.1

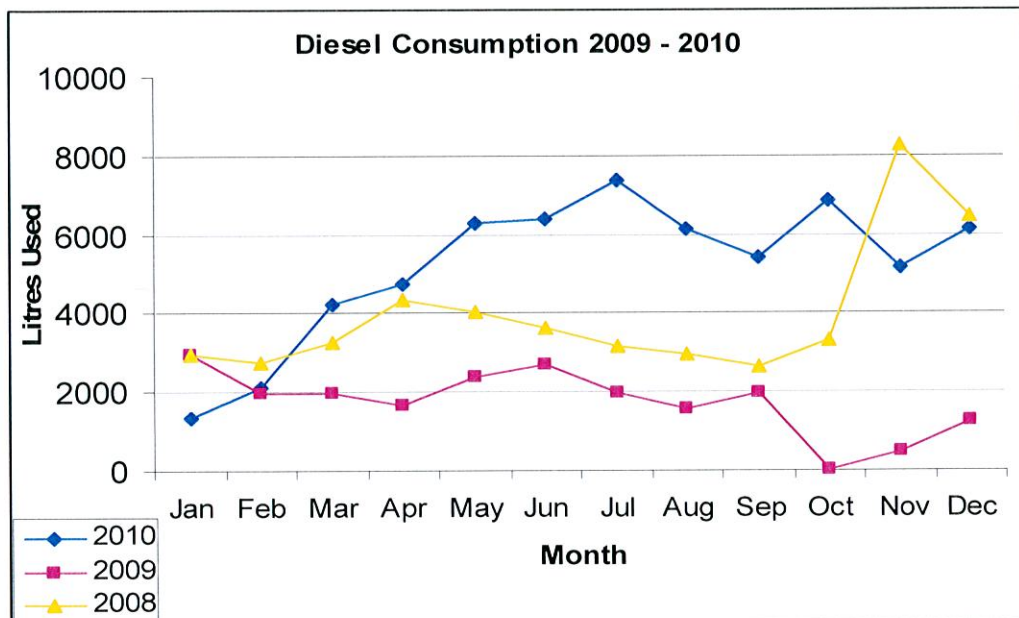
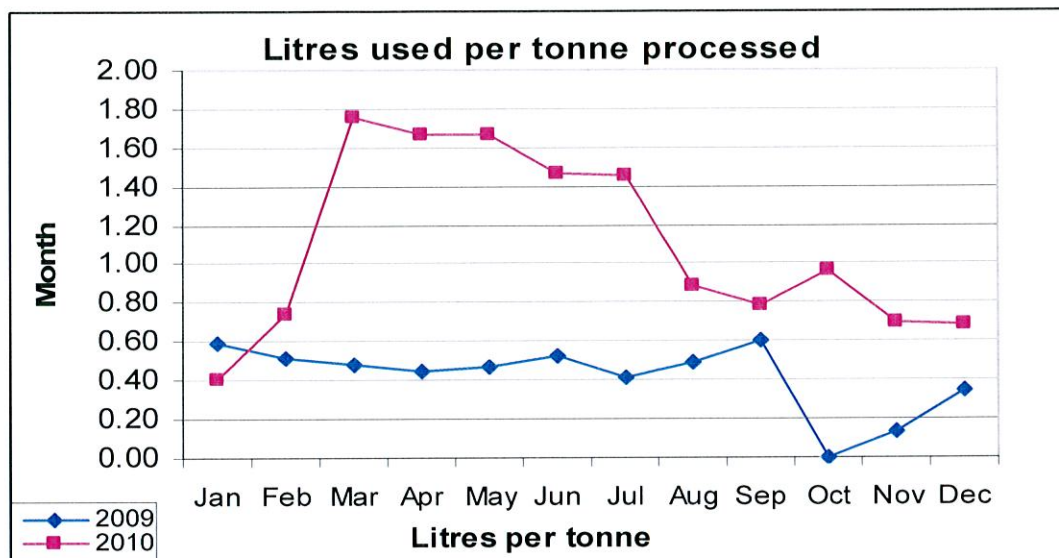


Figure 5.2.2



5.3 Electricity Consumption

The electricity consumption at the facility also increased largely in 2010 even compared to previous years. Figure 5.3.1 shows the total energy consumption in 2009 when compared to 2010. There was an increase in electricity consumption from July onwards as the baler began operating and also it was at this time also that screening trials took place. Figure 5.3.2 shows total consumption as a three year trend.

Figure 5.3.1

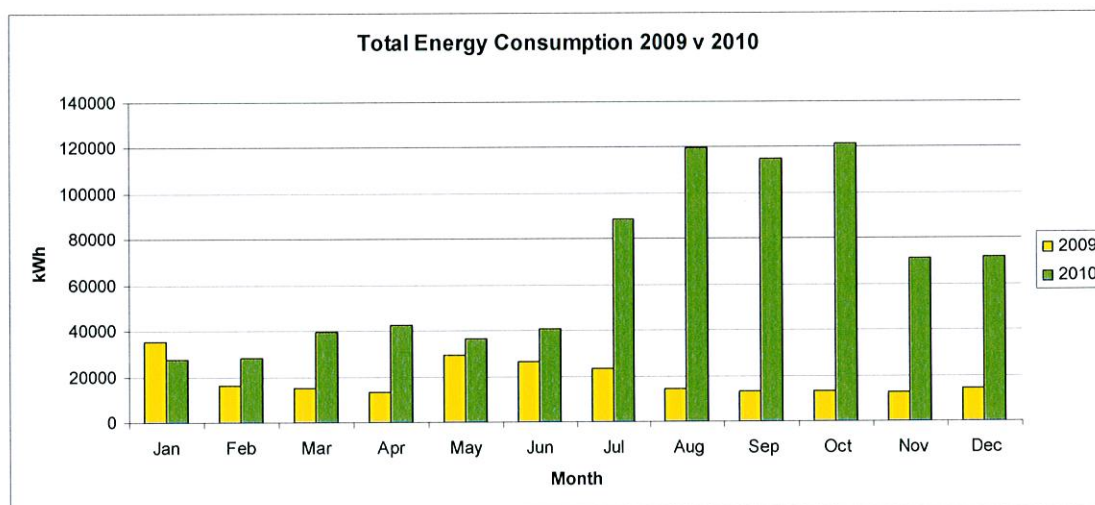
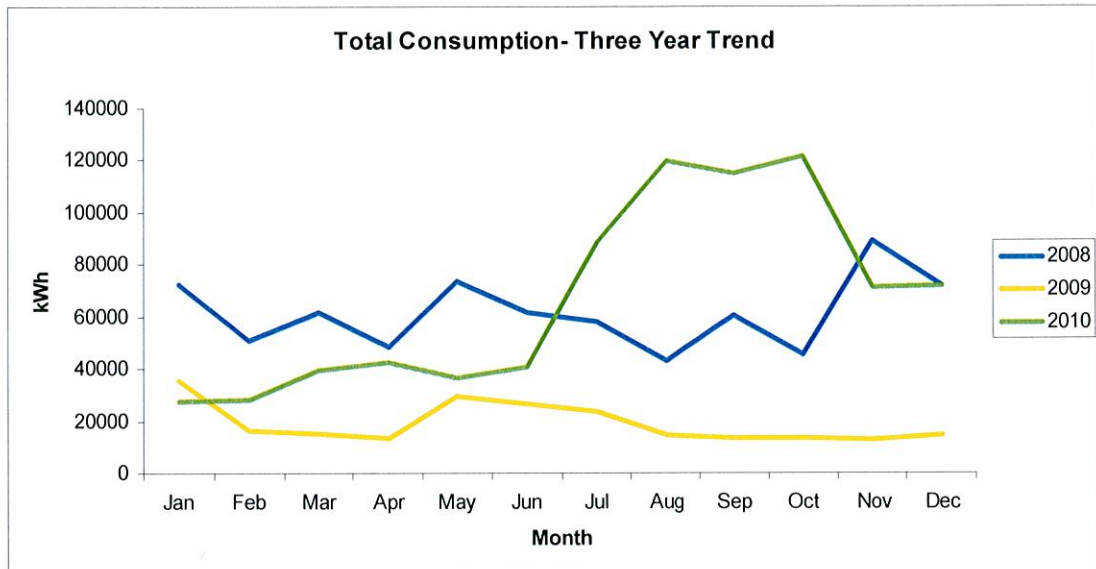


Figure 5.3.2



5.4 Energy Efficiency Audit Report Summary

Oxygen are committed to reducing the energy usage per tonne at the facility and are always looking for ways to reduce their drain on natural resources. In 2011, the possibility of harvesting rain water from each of the processing shed roofs will be explored. This water will be recycled and used for dust control around the site. Oxygen use the electricity company Airtricity, where over 65% of the electricity comes from renewable sources.

Oxygen have introduced a new tyre pressure monitoring system in 2011. This will ensure that all vehicles have correct tyre pressure to increase fuel efficiency and increase life of tyres. It is estimated that from 10% to as much as 50% of tyre tread life due can be lost due to under inflation.

6.0 Procedures Developed in 2010

6.1 Environmental Management Systems Procedures Log

In accordance with the conditions of licence no. W0152-03, and in order to achieve the objectives and targets set out in the Oxygen Robinhood Facility Environmental Management System, procedures were developed by Oxygen in 2006. In order to improve the Environmental Management System (EMS) and to achieve ISO 14001 Standard Certification, the EMS was reviewed and amended in 2008. In May 2009, Oxygen was independently assessed and certified to the ISO14001 Standard by Certification Europe. Some amendments were made to the EMS. The full title and written summary of each new procedure developed in

Report

2010 is detailed below. All the procedures are available for inspection at the facility.

OXEP 31 Incident/Release Reporting and Investigation Procedure

This is the Procedure for the investigation and reporting of Environmental Incidents and Releases at Oxigen Ballymount. The procedure was written in conjunction with correspondence received from the EPA in relation to incident reporting.

OXEHP 01 Hazardous Waste Acceptance Procedure

This is the procedure for the acceptance of hazardous waste from customer, through to the storage of that waste at the facility.

OXEHP 02 Asbestos Acceptance and Handling Procedure

The purpose of this procedure is to ensure that no exposure to asbestos is experienced while under the control of Oxigen.

OXEHP 03 Controlled Substances Acceptance Procedure

This is the procedure for the acceptance of controlled substances for disposal from the first point of customer contact, through to the disposal of the waste at a designated, approved and licensed disposal site.

OXEHP 04 Hazardous Waste Transport Procedure

The purpose of this procedure is to outline the correct actions to be taken in the event of an incident/accident during the transport of hazardous waste.

OXEHP 05 Procedure for Working in Confined Spaces with Inert or Toxic Atmospheres

This procedure outlines actions that must be taken to ensure that every precaution is taken to protect the health and well being of personnel working with or entering confined spaces or areas in which hazardous atmospheres may be present.

OXEHP 06 Off-Site Spillage Procedure

This procedure details the steps to be taken when any spillage occurs off-site.

OXEHP 07 External Site Audit Procedure

This procedure sets out the manner in which external audits are to be carried out at customer and supplier sites.

OXEP 32 Monitoring and Maintenance of Odour Abatement System Procedure

This procedure sets details of the monitoring and maintenance of the Odour Abatement System.

7.0 Proposed Development/Infrastructural Works 2011

Oxigen planning to install a new door (rapid shutter door) to help reduce the risk of odour nuisance. In 2010 Oxigen preformed trials on various screening equipment to segregate the biodegradable and recyclable portion of the waste. Oxigen also are still considering putting some form of pre-treatment of the municipal solid waste before July 2011 in line with obligations set out at EU level.

8.0 Environmental Management Program (EMP)

As part of the overall EMS at the facility, an Environmental Management Plan is in place in order to achieve the objectives and targets set out for the coming year and to ensure the facility is operating to high environmental standards.

8.1 Report on Previous Year

A summary report for the EMP that was submitted in the AER for 2009 is discussed in this section. The objectives and targets for 2010 were as follows:

Objective 1	Applicable Environmental Aspect	Method of Achieving Target	Responsibility	Progress
Integrate the EMS into scope of current ISO 14001 for the Ballymount facility (W0208-01)	Environmental Training	Target 1: Integrate environmental procedures, methodologies and all other documents.	The Environmental Manager and Environmental Compliance Officer are responsible for the achievement of this target.	Completed: The Robinhood site was integrated into the scope of the ISO 14001 for Ballymount and Robinhood received its certification in November 2010
		Target 2: Ensure that all staff are aware of the integrated EMS.		
		Target 3: Bring EMS to pre-audit stage.		

Objective 2	Applicable Environmental Aspect	Method of Achieving Target	Responsibility	Progress
Site Upgrade	Discharges to water	Target 1: Upgrade concrete hardstand area- upgrading the hardstand to a higher quality provides a better and safer surface to work and drive upon while helping to prevent environmental pollution from runoff escaping to surface and/or groundwater.	The Facility Manager is responsible for the achievement of this target.	Complete: Concrete hardstand was repaired around the out weighbridge and also at the foul water interceptor. Drains were painted in September 2010 with red and blue paint
		Target 2: Painting of Drains- the drains should be painted with red or blue paint to indicate whether they are leading to the surface or foul line. (Red for foul and blue for surface). This is important so that the drains can be instantly identified if there was an accidental spillage at the facility.		

Objective 3	Applicable Environmental Aspect	Method of Achieving Target	Responsibility	Progress
Installation of Screening equipment for pre-treatment to help reach government and F.U targets	Natural Resources	Target 1: Install and commission screen and trommel	The Facility Manager and Operations Manager are responsible for the achievement of this target	Various types of screening equipment was installed beginning in May 2010. Trials were carried out in July and September 2010 to inspect functionality and quality of screenings.

8.2 Objectives and Targets for the Coming Year 2011

Objective 1	Applicable Environmental Aspect	Method of Achieving Target	Responsibility
To reduce the risk of odour nuisance from the Robinhood site.	Odour	<p>Target 1: To increase efficiency of the odour control system by employing professional odour and air quality consultancy service to monitor the odour system.</p> <p>Target 2: To source and install virgin carbon for the filter of the odour control system</p> <p>Target 3: To increase resource at the facility to employ full time staff to manually open and close all shed doors to reduce the amount of time that doors are open are kept to a minimum.</p> <p>Target 4: To source and install new rapid shutter door to help keep opening times to a minimum.</p>	The Facility Manager, Operations Manager and Environmental Compliance Officer.
Objective 2	Applicable Environmental Aspect	Method of Achieving Target	Responsibility
To increase level of energy efficiency	Natural Resources	<p>Target 1: To introduce a tyre pressure monitoring system within Oxygen to ensure that all vehicles have correct tyre pressure to increase fuel efficiency. This will increase the life of tyres and reduce the level of waste tyres produces as a result of operations.</p>	The Facility Manager and Operations Manager
Objective 3	Applicable Environmental Aspect	Method of Achieving Target	Responsibility
To reduce the risk of pest and fly nuisance	Pests	<p>Target 1: Install new bait boxes on site with barcode scanning function. This will allow more efficient pest management and online monitoring of inspections.</p>	The Facility Manager and Operations Manager are responsible for the achievement of this target

9.0 Tank and Pipeline testing and inspection report

9.1 A survey of the complete drainage system at the facility was carried out by P.C. Drain Cleaning Ltd., on the 25th June 2008 and all drains were found to be in good working order. Details of the drainage survey including maps and reports were submitted to the Agency on the 23rd July 2008. The next drainage survey is to take place in Summer 2011.

9.2 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.

10.0 Complaints Summary & Reported Incidents

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

10.1 Complaints Summary

Number	Date	Communication Method	Issue
1	22.04.2010	Fax from EPA	Odour
2	27.04.2010	Fax from EPA	Odour
3	21.05.2010	Telephone call from EPA	Odour
4	01.06.2010	Fax from EPA	Odour
5	16.06.2010	Fax from EPA	Odour
6	24.06.2010	Fax from EPA	Litter, Odour & Flies
7	28.06.2010	Telephone call from EPA	Flies
8	30.06.2010	Fax from EPA	Odour
9	30.06.2010	Fax from EPA	Odour & Flies
10	30.06.2010	Telephone call direct from complainant	Odour
11	30.06.2010	Telephone call direct from complainant	Odour
12	01.07.2010	Telephone call from EPA	Litter
13	06.07.2010	Fax from EPA	Litter
14	08.07.2010	Telephone call from EPA	Odour
15	12.07.2010	Telephone call from EPA	Odour
16	20.07.2010	Telephone call from EPA	Odour
17	21.07.2010	Fax from EPA	Odour
18	24.07.2010	Telephone call from EPA	Odour
19	20.08.2010	Telephone call from EPA	Odour
20	02.09.2010	Fax from EPA	Odour
21	03.09.2010	Fax from EPA	Odour
22	07.09.2010	Telephone call from EPA	Odour
23	08.09.2010	Telephone call direct from complainant	Odour
24	08.09.2010	Telephone call from EPA	Odour
25	15.09.2010	Telephone call from EPA	Odour
26	21.09.2010	Telephone call direct from complainant	Odour
27	21.09.2010	Telephone call from EPA	Odour

28	04.10.2010	Telephone call direct from complainant	Odour
29	04.10.2010	Email from complainant	Odour
30	05.10.2010	Email from complainant	Odour
31	01.11.2010	Telephone call from EPA	Odour
32	18.11.2010	Telephone call from EPA	Odour
33	24.11.2010	Telephone call from EPA	Odour

10.2 Reported Incidents Summary

There were no environmental incidents reported to the EPA during 2010.

11.0 Review of Nuisance Controls

Eastern Pest Control (EPC) carried out pest control at the facility. During the summer months EPC sprayed the inside of the shed with a pesticide fog to control fly activity. This was carried out at regular intervals throughout 2010. EPC made a total of 17 visits to the site during the year to monitor the situation and put in place any control measures that were necessary.

Rodent activity at the facility is also controlled by EPC, bait boxes are placed at key locations around the site. There were no sightings of rodents at the facility during 2010. In 2011, a new barcode scanning function will be installed at the bait boxes points to monitor the inspection online. A pest control summary report from EPC can be found in Appendix 3.

Daily site inspections are carried out by the Facility Manager/Compliance Officer which highlight any nuisances on site such as litter, pests, noise, birds, flies, odour or dust. Should any such nuisances be recorded, then appropriate measures are undertaken.

12. Financial Provisions

Oxigen have Pollution Liability insurance of €13 million. See Appendix II for details of insurance cover.

13 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.

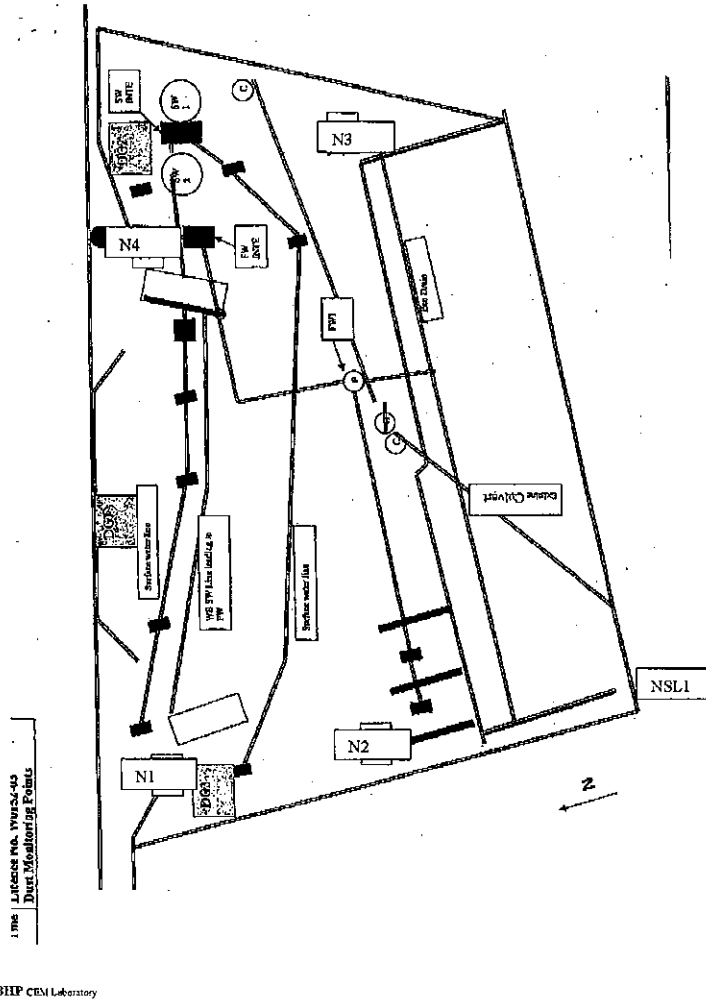
14. Management Structure

There were some changes to the management structure at the facility during 2010. Noel Boyle became Group Managing Director of Oxigen and Maria Byrne became Compliance Officer for the facility. Barry Doyle remains the Facility manager at Robinhood. The management structure is depicted in Appendix 4.

Appendix 1
Noise Monitoring Locations

Appendix 1

Site map showing noise sensitive locations



Appendix 2

PRTR Returns Worksheet

(Uploaded separately)

Appendix 3

EPC Pest Control Summary 2010



Rathfeigh House, Rathfeigh, Tara, Co. Meath

Eastern Pest Control

Tel: 041-9825105 or 01-8351444

Fax: 041-9825623

Date: 07 February 2011

Pest Control Summary Report for 2010

Area covered:	Ballymount & Robinhood facilities
Number of visits per year:	Eight
Level of activity:	Similar to last year, level of activity was minimal. At Ballymount facility the level of activity has remained low but some activity was noted by delivery driver late at night, this was dealt with accordingly. In the Robinhood facility no problems were noted and there were no sightings reported. However there continues to be a problem with bait boxes being damaged by machinery in the Ballymount site.
Observations:	Due to the warmer than normal summer the fly levels built up quickly on both sites from about mid May. This meant that fly spraying was carried out weekly and sometime more often across the summer period in Ballymount. Extra spraying was also carried out in

Robinhood but at no stage did the problem become excessive.

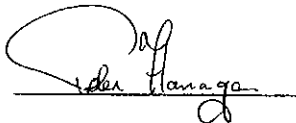
Map:

Due to the fact that all the maps will shortly be put up on the on-line system, this will necessitate re-drawing and marking the position of TRB's on all existing maps for all the sites. This will make the existing maps redundant.

PPS On-Line:

The on-line system is a web based application and runs on a web browser. This will shortly be implemented once all the bait points have barcodes added and maps re-drawn. This will allow viewing of all reports on-line and will overcome problems with reports being misfiled etc. The system will give an interactive view of the bait points and by, for example clicking on a bait point a history of any activity can be seen. There are many detailed audit reports available all of which can be printed out.

Yours sincerely,

A handwritten signature in black ink, appearing to read "Peter Hanagan", written over a horizontal line.

Director of EPC

Appendix 4

Insurance Certificate



Unit 4, First Floor
Riverfront Building
Howley's Quay
Limerick

T: +353 (0) 61 312737
F: +353 (0) 61 312726
Info@bhd.ie
www.hooperdolan.ie

24th March 2010

TO WHOM IT MAY CONCERN

RE: EMPLOYERS/PUBLIC & PRODUCTS LIABILITY & MOTOR FLEET
INSURANCES
Oxigen Environmental Limited & Oxigen Commercial Ltd T/A Bambi Bins.

We act as Insurance Brokers for the above named.

We confirm that Employers and Public/Products Liability Insurances are effected with Brit Insurance Company and Motor Fleet with Quinn Insurance and the details are as follows:

Business Description:

Refuse Collectors, Recycling Contractors, Wheel Bin Operators, Skip Hirers, Road Sweepers, Vehicle Maintenance and Repair, Gully Cleaners, Landfill Operators, Operators of Civic Amenity Sites, Document Destruction Shredding and Property Owners. Toxic / Hazardous Waste Warehousing and Chemical Transfer Station including cover from point of collection until final destruction and including preparation of waste for collection.

Liability Policy No:	A2602620/35136
(a) Employers Liability Limit of Indemnity: any on period	€13 million any one occurrence/unlimited
Period of Cover:	20 th March 2010 – 31 st March 2011
(b) Public/Products Liability Limits of Indemnity:	
Public Liability:	€13M any one occurrence/unlimited during the period
Products Liability:	€13M during the period.
Pollution Liability:	€13M during the period.
Period of Cover:	20 th March 2010 – 31 st March 2011
Indemnity to Principles:	General Indemnity to Principles Clause applies.
Conditions:	Policy automatically extends to note a Specific Indemnity to any Local Authority who engages the Insured but only in respect Of the Insured's legal liabilities.

Directors: Shane Bermingham (Managing), David Bermingham, Paul Dolan, Cathal Lowe.
Registered Office: Unit 4, 1st Floor, Riverfront Building, Howley's Quay, Limerick. Registered Number 450976
Birmingham Hooper Dolan Insurances Limited is regulated by the Financial Regulator

Associate Hooper Dolan Group Offices: Birr • Carlow • Clone • Dery • Ennis • Galway • Killarney • Newtownmountkennedy • Sligo • Thurles • Tipperary • Tuam • Tullow



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Limerick

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F: +353 (0) 61 312726

info@bhdi.ie

www.hooperdolan.ie

Motor Fleet Policy No:	GEI/QMV/004450133
Cover:	Comprehensive & Third Party
Vehicles:	Any vehicle owned and registered in the name of the Policyholder or hired, leased or lent to the Policyholder.
Drivers:	25 to 70 Years
Limit of Liability:	€6.5m Third Party Property Damage
Period of Cover:	20 th March 2010 – 31 st March 2011

I trust you find the above in order and should you require any further information please do not hesitate to contact the undersigned.

Yours Sincerely,

Shane Bermingham BA
Managing Director
Birmingham Hooper Dolan Insurances

Directors: Shane Bermingham (Managing), David Bermingham, Paul Dolan, Cathal Lowe.
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Appendix 5

Robinhood Management Structure

