



ANNUAL ENVIRONMENT REPORT 2018

January 2018 – December 2018

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W0208-01

**Ballymount Industrial Estate,
Ballymount Rd Lower,
Clondalkin,
Dublin 22.**

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1. Introduction

Oxygen Environmental was granted waste licence W208-01 in March 2006 and began operating under this licence on 1st July 2006. Oxygen operated a dry recycling, C&D and general skip waste recovery facility. SRF (Solid Recoverable Fuel) production commenced at the facility in Oct 2012. The site is also a transfer station for Hazardous Waste (mainly asbestos).

The facility is currently closed due to a fire which occurred in January 2014. Oxygen Environmental currently operates a civic amenity centre on site.

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).

The AER covers the reporting period from the 1st January 2018- 31st December 2018.

The Facility is located at:-

Oxygen Environmental Ltd,
Merrywell Industrial 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.

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 Oxygen. 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.

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:

Waste Licenced 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.

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 preceded paragraph of this schedule
- Class 12* Exchange of waste for submission to any activity referred to in a preceding paragraph of this schedule

2. Quantity and Composition of Waste Recovered, Received and Disposed

Oxigen Ballymount has no waste operations on the main site. The following waste descriptions are related to Civic Amenity Centre only.

2.1 Waste Accepted

Table 1: Waste Accepted to Ballymount CA Site

WASTE TYPE	EWG CODE	TOTAL (KGS)
CARDBOARD PACKAGING	15 01 01	104.10
CND WASTE	17 09 04	2.86
CNI BULKY WASTE	20 03 07	2,074.38
DMR	20 03 01	74.30
GREEN BIODEGRADABLE WASTE	20 02 01	389.24
METAL	20 01 40	199.40
MIXED PAPER	20 01 01	4.06
MSW MUNICIPAL WASTE	20 03 01	53.70
PLASTICS - MIXED	20 01 39	10.48
RUBBLE	17 01 07	103.70
STEEL SHREDDED METAL	19 12 02	68.62
WOOD - NON PACKAGING - 20 01 38	20 01 38	1,045.98
GRAND TOTAL		4,130.82

2.2 Waste Dispatched

Table 2: Waste Removed from Ballymount CA Site

WASTE TYPE	EW C CODE	TOTAL (KGS)
CARDBOARD PACKAGING	15 01 01	104.10
CND WASTE	17 09 04	2.86
CNI BULKY WASTE	20 03 07	2,074.38
DMR	20 03 01	74.30
GREEN BIODEGRADABLE WASTE	20 02 01	389.24
METAL	20 01 40	199.40
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GRAND TOTAL		4,130.82

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3. Environmental Monitoring

All environmental monitoring conducted at Oxigen Ballymount is carried out by an approved contractor. Full original copies of the monitoring reports are maintained on site for inspection by the agency.

3.1 Surface Water

Surface water is currently turned off and visual inspection carried out taken to ensure drain block is secure.

3.2 Dust

Dust monitoring was carried out on site within the required limits as set out under the conditions of W0208-01.

4. Resource Consumption

4.1 Electricity Consumption

In 2018 a total of 134 MWHrs was used on site.

4.2 Diesel Consumption

The use of diesel on site is all related to the Civic Amenity Centre operations. Total Usage on site for 2018 was 3,916 litres.

4.3 Water Consumption

The water usage on site was calculated to be 3299.36m³ in 2018. The sweepers use this site to fill up for the SDCC contract.

5. Infrastructural Developments

There was no infrastructural development carried out for the reported year.

6. Environmental Management Programme

Under condition 2.2.2.2 of Waste License W0208-01, Oxigen Environmental 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.

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.

Table 3: EMS Review 2018

OBJECTIVE	DESCRIPTION	ASPECT	TARGET	RESPONSIBILITY	PROGRESS	COMMENT
1	Reduction of emissions to Water	Natural Resources	To reduce risk of uncontrolled emissions by installing new interceptor on SW with shut off valve. This emission point is current blocked and tankered off site.	Operations/ Maintenance Dept.	15%	Works to be carried out for 2019/2020.
2	Additional improvements	Increase Material Recovery Waste	To reinstate/repair existing C&D Shed and to reconstruction DMR Staff facilities and garage facilities.	Operations / Maintenance Dept.	15%	Works to be carried out for 2019/2020.
3	Reduction of emissions to Water	Natural Resources	To divert all yard trade effluent runoff to foul drainage	Operations / Maintenance Dept.	15%	Works to be carried out for 2019/2020.
4	Additional improvements	Waste Records	To upgrade the weighbridge system to record waste movements more accurately in line with licenses and NWCPO requirements.	Operations / Environmental Compliance	100%	Weighbridge System implemented in August/2018.

Table 4: Objective & Targets 2019

OBJECTIVE	DESCRIPTION	ASPECT	TARGET	RESPONSIBILITY
1	Reduction of emissions to Water	Natural Resources	To reduce risk of uncontrolled emissions by installing new interceptor on SW with shut off valve. This emission point is current blocked and tankered off site.	Operations/ Maintenance Dept.
2	Additional improvements	Increase Material Recovery Waste	To reinstate/repair existing C&D Shed and to reconstruction DMR Staff facilities and garage facilities.	Operations / Maintenance Dept.
3	Reduction of emissions to Water	Natural Resources	To divert all yard trade effluent runoff to foul drainage	Operations / Maintenance Dept.

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7. Tank, Drains and Bund Testing Summary

As per condition 3.12.7 of W208-01, 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 May 2016. These will be retested by the facility manager by June 2019. 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.

The diesel tank was also tested by independent engineer and certified as compliant in May 2018.

8. Complaints and Incidents Summary

Oxygen Ballymount employs strict control measures on all potential nuisances and is committed to working to reduce the risk of any potential environmental nuisance. The facility manager or his deputy carries out routine daily nuisance checks.

8.1 Complaints Summary

There were no complaints received in 2018.

8.2 Incidents Summary

There was no incident for the reported year.

9. Review of Nuisance Controls

9.1 Nuisance Control Introduction

Oxygen 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.

10. Financial Provisions

As agreed with the Agency, all arrangements for Financial Provision have been deferred until the site has been developed.

11. Program 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.

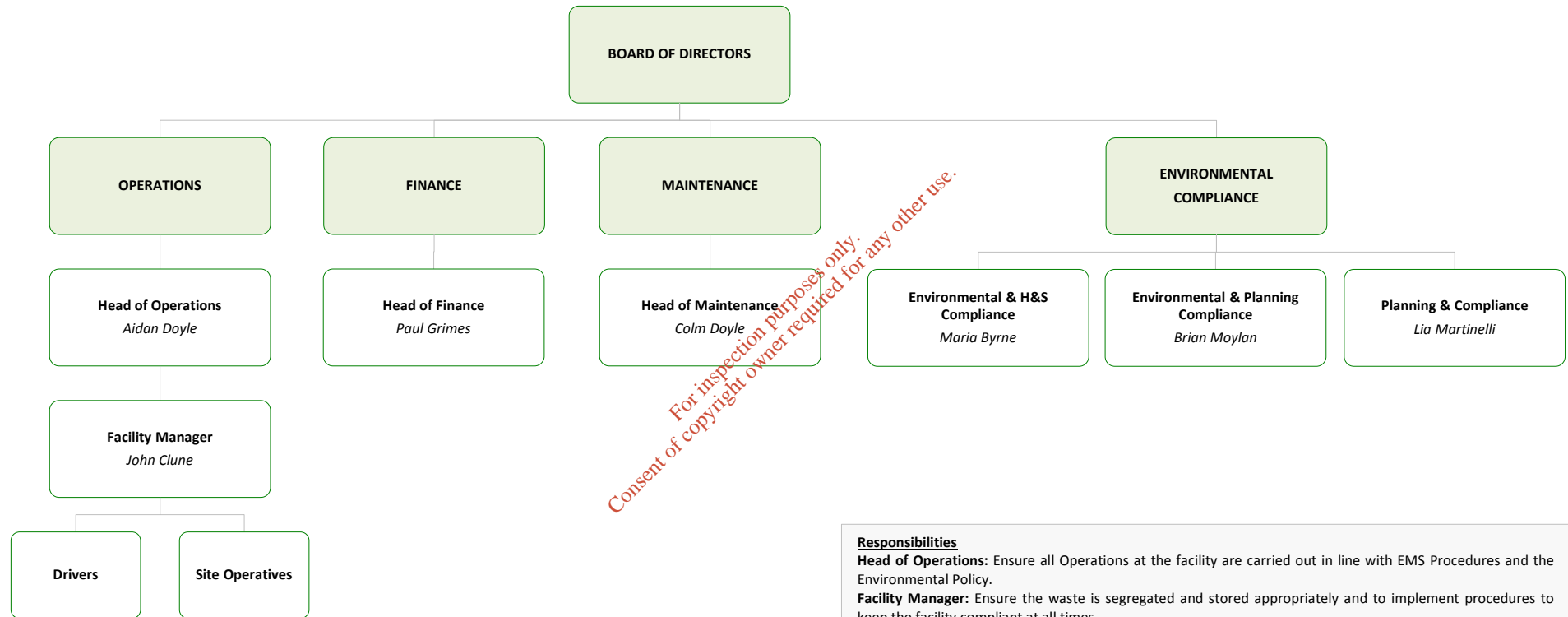
The lists of documents available for inspection in the Communication Folder are as follows:

- 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.

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12. Management Structure



Responsibilities

Head of Operations: Ensure all Operations at the facility are carried out in line with EMS Procedures and the Environmental Policy.

Facility Manager: Ensure the waste is segregated and stored appropriately and to implement procedures to keep the facility compliant at all times.

Environmental compliance: Compliance with NWCPO and EPA Licence as well as Legislative and EMS Requirements & any other Compliance issues arising on a daily basis.

Supervisor: Ensure all drivers are operating in accordance with the Waste Collection Permit, Facility Licence requirements and EMP Procedures within the Facility.

Site Operatives: Ensure the waste is handled appropriately and to ensure that all windblown litter is picked immediately.

Mechanics/Drivers: Ensure that any oil/grease/diesel spills from their vehicle are cleaned up and any problems with vehicles are highlighted to manager immediately.