

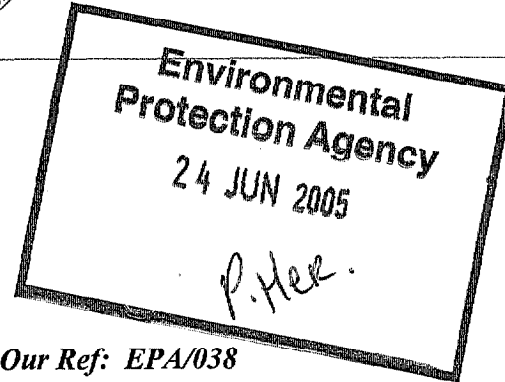
SOUTH DUBLIN COUNTY COUNCIL  
COMHAIRLE CHONTAE ÁTHA CLIATH THEAS

S52 Reply 152-2

Halla an Chontae, Lár an Bhaile  
Tamhlacht, Baile Átha Cliath 24  
Telefon: 01-4149000  
Facs: 01-4149101



**Environmental Service**  
County Hall, Town Centre  
Tallaght, Dublin 24  
Telephone: 01-4149000  
Fax: 01-4149101  
website: [www.southdublin.ie](http://www.southdublin.ie)



Noeleen Keavey,  
Programme Officer,  
Licensing Unit,  
Office of Licensing & Guidance,  
Environmental Protection Agency,  
PO Box 3000,  
Johnstown Castle Estate,  
Co. Wexford.

Our Ref: EPA/038  
Reg No. 152 - 3  
21<sup>st</sup> June, 2005

**RE/ Waste Licence Reg No. 152-3 Oxigen Environmental Ltd., Robinhood Industrial Estate – Consent under Section 52 of the Waste Management Act 1996**

Dear Ms. Keavey,

I refer to the above application for a Waste Licence and your letter dated the 28<sup>th</sup> April 2005 requesting consent under Section 52 of the Waste Management Act 1996 of the Environmental Protection Agency Act 1992 for discharge of trade effluent.

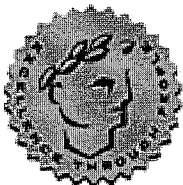
Please find attached the consent conditions of South Dublin County Council. If you have any queries in this regard please contact me.

Yours sincerely,

Paula Comerford  
A/Senior Staff Officer

[pcomerford@sdblincoco.ie](mailto:pcomerford@sdblincoco.ie)

c.c Colm O'Shea, Pollution Engineer  
Imelda Averrill, Central Laboratory



Excellence Through People  
Awarded 2004



Chambers of Commerce of  
Ireland Excellence in Local Government  
Economic Development Award 2004

# SANITARY AUTHORITY CONSENT CONDITIONS

Name & Address of Sanitary Authority:

**South Dublin County Council,  
Civic Offices,  
The Square,  
Tallaght,  
Dublin 24.**

Waste Facility:

**Oxigen Environmental Ltd.,  
Robinhood Industrial Estate,  
Robinhood Road,  
Ballymount,  
Dublin 22.**

Waste Reg. No: 152-3

Central Laboratory Monitoring Reference:

**85580**

Consent granted subject to consent conditions outlined below.	Yes.
Consent granted without conditions	
Consent Refused	

In respect of discharges or emissions to sewer the Sanitary Authority requires the conditions, indicated by a "Yes", in the right-hand column, below, to be included in any waste licence, which the Agency may propose to grant in respect of the above referenced waste licence application, in accordance with Section 52 of the Waste Management Act, 1996.

GENERAL CONSENT CONDITIONS	Conditions to be included (Yes/No)
1. No specific discharge or emission to sewer shall exceed the emission limit value set out in Schedule B: Emission Limits to Sewer. There shall be no other discharge or emission to sewer of environmental significance.	Yes
2. The Licensee shall carry out such sampling, analysis, measurements, examinations, maintenance and calibrations as set out in Schedule C.	Yes
3. Monitoring and analytical equipment shall be operated and maintained as necessary so that monitoring accuracy reflects the discharge or emission.	Yes
4. The Licensee shall permit authorised persons of the Agency and the Sanitary Authority to inspect, examine and test, at all reasonable times, any works and apparatus installed, in connection with the process effluent, and to take samples of the process effluent	Yes
5. All automatic monitors and samplers shall be functioning at all times (except during maintenance and calibration) when the activity is being carried on unless alternative sampling or monitoring has been agreed in writing by the Agency for a limited period. In the event of a malfunction of any continuous monitor, the licensee shall contact the Agency as soon as practicable, and alternative sampling and monitoring facilities shall be put in place. Prior written agreement for the use of alternative equipment, other than in emergency situations, shall be obtained from the Agency.	Yes
6. The Licensee shall record all sampling, analyses, measurements,	Yes

examinations, calibrations and maintenance carried out in accordance with the requirements of this licence.	
7. The Licensee shall provide safe and permanent access to on-site sampling and monitoring points and to off-site points as required by the Agency.	Yes
8. The Licensee shall at no time discharge or permit to be discharged into the sewer any liquid, matter or other thing which is or may be liable to set or congeal at average sewer temperature or is capable of giving off any inflammable or explosive gas, or any acid, alkali or other substance in sufficient concentration to cause corrosion to sewer pipes, penstock and sewer fittings or the general integrity of the sewer.	Yes
9. In the event of any incident which relates to discharges to sewer, or surface waters, having taken place, the Licensee shall notify the Agency, Local Authority and Sanitary Authority as soon as practicable after the incident.	Yes

<b>ADDITIONAL GENERAL CONSENT CONDITIONS</b> <b>In respect of discharges or emissions to sewers, in accordance with Section 52 of the Waste Management Act, 1996</b> (specify if required)	
10. Materials classifiable as 'Hazardous Wastes' under the Waste Management Act, 1996, shall not be discharged to the foul sewer.	
11. Trade effluent shall be screened prior to discharge to remove gross solids and avoid blockages in the sewer.	
12. No substance shall be present in such concentrations as would constitute a danger to sewer maintenance personnel working in the sewerage system or would be damaging to the fabric of the sewer, or would interfere with the biological functioning of a downstream wastewater treatment works.	
13. No discharge or emission to sewer shall take place, which gives rise to any reaction within the sewer or to the liberation of by-products, which may be of environmental significance.	
14. Non-trade effluent wastewater (e.g. firewater, accidental spillages) which occurs on site shall not be discharged to the sewer without the prior authorisation of South Dublin County Council.	
15. The Licensee shall submit monitoring results to South Dublin County Council on an annual basis.	
16. The charge rate for the collection, treatment and disposal of trade effluent arising on site shall be in accordance with the South Dublin County Council Consolidated Water Charges Policy.	
17. The Licensee shall maintain on-site an adequate supply of oil absorbent materials for the purpose of containing any oil leaks or spillages from any machinery on site. This condition does not excuse the Licensee from his / her obligations to notify the Agency and the Sanitary Authority in the event of such an occurrence.	

**SCHEDULE B**

of Sanitary Authority Consent Conditions per Section 52 of the Waste Management Act 1996  
to 2003.

***Emissions to Sewer – Limit Values***

Waste Licence Register No.:

**W 152-3**

Emission Point Reference No:

**E309499, N231110**

Emission to (sewer description):

**SFW-1. Foul sewer on Robinhood Road.**

Volume to be emitted:

**Maximum in any one day (m<sup>3</sup>):**

**2.5**

**Maximum rate per hour (m<sup>3</sup>):**

**1**

Parameter (delete parameters which are not applicable)	Emission Limit Value			Parameter to be limited (Yes/No)
	Grab Sample (mg/l)	Daily Mean Concentration (mg/l)	Daily Mean Loading (kg/day)	
<b>BOD</b>	<b>1,000</b>	<b>800</b>	<b>2.0</b>	<b>Yes</b>
<b>COD</b>	<b>3,000</b>	<b>2,400</b>	<b>6.0</b>	<b>Yes</b>
<b>Suspended Solids</b>	<b>1,000</b>	<b>800</b>	<b>2.0</b>	<b>Yes</b>
<b>Sulphates (as SO<sub>4</sub>)</b>	<b>1,000</b>	<b>1,000</b>	<b>2.5</b>	<b>Yes</b>
<b>pH</b>	<b>6 to 10</b>			<b>Yes</b>
<b>Temperature</b>	<b>42 degrees C</b>			<b>Yes</b>
<b>Additional Parameters (if required)</b>				
<b>Oils Fats and Greases (mg/l)</b>	<b>100</b>	<b>100</b>	<b>0.25</b>	<b>Yes</b>
<b>Mineral Oils (mg/l)</b>	<b>10</b>	<b>10</b>	<b>0.025</b>	<b>Yes</b>
<b>Detergents (mg/l)</b>	<b>100</b>	<b>100</b>	<b>0.25</b>	<b>Yes</b>

## SCHEDULE B

Of Sanitary Authority Consent per Section 52 of the Waste Management Act, 1996

### Emissions to Sewer – Frequency of Monitoring

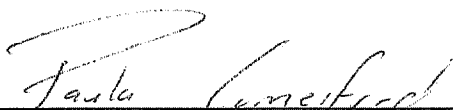
Waste Licence Register No.: 152-3

Emission Point Reference No.: SFW-1

<u>Parameter</u> (delete parameters which are not applicable)	<u>Monitoring Frequency</u>	<u>Sampling Method / Type</u> (grab / continuous)
<u>Flow to sewer</u>	Quarterly	
<u>BOD</u>	Monthly	Grab
<u>COD</u>	Monthly	Grab
<u>Suspended Solids</u>	Monthly	Grab
<u>Sulphates (as SO<sub>4</sub>)</u>	Monthly	Grab
<u>Temperature</u>	Monthly	Grab
<u>pH</u>	Monthly	Grab
<u>Additional Parameters</u> (if required)		
<u>Oils, Fats and Greases</u>	Monthly	Grab
<u>Mineral Oils (mg/l)</u>	Monthly	Grab
<u>Detergents</u>	Monthly	Grab

<u>SANITARY AUTHORITY CHARGES</u>	
Charge per cubic metre of trade effluent or other matter (per Section 52 of the Waste Management Act, 1996)	(as per condition 16 of the General Consent Conditions.)
Payment Frequency	Quarterly
Annual Monitoring Costs.	€1,800.00

Signed on behalf of **South Dublin County Council:**



Date: 21/6/05



Environmental Protection Agency  
An Ghnóthaireacht um Chaomhú Comhshaoil

Ms Mary Pyne  
Senior Executive Officer  
South Dublin County Council  
PO Box 4122  
Town Centre  
Tallaght  
Dublin 24

Headquarters, PO Box 3000  
Johnstown Castle Estate  
County Wexford, Ireland

Ceanncheathrú, Bosca Poist 3000  
Eastát Chaisleán Bhaile Sheáin  
Contae Loch Garman, Éire

T: +353 53 60600  
F: +353 53 60699  
E: info@epa.ie  
W: www.epa.ie

LoCall: 1890 33 55 99

28th April, 2005

Reg No: 152-3

Dear Ms Pyne

I am to advise you that the Agency has received an application for a Waste Licence from Oxigen Environmental Limited, for a facility located at Oxigen Environmental Ltd, Robinhood Industrial Estate, Robinhood Road, Ballymount, Dublin 22.

The applicant proposes, as part of this application, to provide for the discharge of process effluent to a sewer, which the applicant has stated is vested in, or controlled by, your Council. Process effluent includes trade effluent or other matter (other than domestic sewage or storm water). I enclose copy extracts from the application form, which detail proposed discharges.

The provisions of Section 52 of the Waste Management Acts, 1996 to 2003, provides that the Agency shall obtain the consent of the sanitary authority to the proposed discharge from an activity which involves the discharge of trade effluent or other matter (other than domestic sewage or storm water), to a sewer vested in or controlled by a sanitary authority.

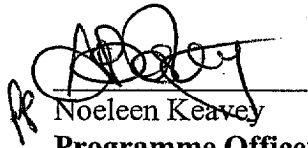
In order to expedite the Agency's consideration of this waste licence application, I am to request your authority's consent to the proposed discharge/s. It should be noted that, your authority's consent may be subject to such conditions as your authority considers appropriate as provided for in Section 52 of the Waste Management Acts, 1996 to 2003 and Section 99E (3) of the Environmental Protection Agency Acts, 1992 and 2003. Your attention is drawn to paragraphs (3) and (4) of the attached copy of the relevant section of the Act. For your convenience please find attached a reply form including a list of draft conditions compiled by the Agency.



In accordance with paragraph (2) of this section of the Act, you are requested to forward your response within 5 weeks of the date of this letter. Please note that any decision given after the expiry period shall be invalid and in those circumstances the Agency may proceed to determine the application concerned as if consent was obtained. Oxigen Environmental Limited is dealing with this matter and can be contacted at the Licensing Unit, Office of Licensing & Guidance Wexford (Tel. No.053-60600), if you have any queries.

Your co-operation in this matter is appreciated.

Yours sincerely

  
Noeleen Keavey  
**Programme Officer**  
**Licensing Unit**  
**Office of Licensing & Guidance**

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**Section 99E (3) & (4) of the Environmental Protection Agency Acts, 1992 and 2003**

- (3) Subject to subsection (4), a consent under subsection (1) may be granted subject to or without conditions and if it is granted subject to conditions the Agency shall include in the licence or revised licence concerned conditions corresponding to them or, as the Agency may think appropriate, conditions more strict than them.
- (4) The conditions that may be attached to a consent by a sanitary authority under this section are the following and no other conditions, namely conditions-
- (a) relating to-
    - (i) the nature, composition, temperature, volume, level, rate, and location of the discharge concerned and the period during which the discharge may, or may not, be made,
    - (ii) the provision, operation, maintenance and supervision of meters, gauges, manholes, inspection chambers and other apparatus and other means for monitoring the nature, extent and effect of emissions,
    - (iii) the taking and analysis of samples, the keeping of records and furnishing of information to the sanitary authority,
  - (b) providing for the payment by the licensee to the sanitary authority concerned of such amount or amounts as may be determined by the sanitary authority having regard to the expenditure incurred or to be incurred by it in monitoring, treating and disposing of discharges of trade effluent, sewage effluent and other matter to sewers in its functional area or a specified part of its functional area,
  - (c) specifying a date not later than which any conditions attached under this section shall be complied with,
  - (d) relating to, providing for or specifying such other matter as may be prescribed.



# SANITARY AUTHORITY RESPONSE

re: SECTION 52 OF THE WASTE MANAGEMENT ACTS, 1996 to 2003

**Name & Address of Sanitary Authority:** South Dublin County Council, PO Box 4122, Town Centre, Tallaght, Dublin 24.

**Waste Reg. No.** 152-3

**Waste Facility:** Oxigen Environmental Ltd, Robinhood Industrial Estate, Robinhood Road, Ballymount, Dublin 22

**Waste Licence Applicant:** Oxigen Environmental Limited

**Consent:** Indicate Yes to one of the following statements:

Consent granted subject to the consent conditions outlined below	
Consent granted without conditions	
Consent refused <sup>Note 1</sup>	

**Note 1** Where it is proposed to refuse permission the reasons for the refusal should be clearly outlined in the response.

GENERAL CONSENT CONDITIONS	Condition to be included (Yes/No)
1. No specified emission from the installation shall exceed the emission limit value set out in <i>Schedule B: Emissions Limits to Sewer</i> . There shall be no other emission to sewer of environmental significance.	
2. The licensee shall carry out such sampling, analyses, measurements, examinations, maintenance and calibrations as out in <i>Schedule C</i> .	
3. Monitoring and analytical equipment shall be operated and maintained as necessary so that monitoring accurately reflects the discharge or emission.	
4. The licensee shall permit authorised persons of the Agency and the Sanitary Authority to inspect, examine and test, at all reasonable times, any works and apparatus installed, in connection with the process effluent, and to take samples of the process effluent.	
5. All automatic monitors and samplers shall be functioning at all times (except during maintenance and calibration) when the activity is being carried on unless alternative sampling or monitoring has been agreed in writing by the Agency for a limited period. In the event of the malfunction of any continuous monitor, the licensee shall contact the Agency as soon as practicable, and alternative sampling and monitoring facilities shall be put in place. Prior written agreement for the use of alternative equipment, other than in emergency situations, shall be obtained from the Agency.	
6. The licensee shall record all sampling, analyses, measurements, examinations, calibrations and maintenance carried out in accordance with the requirements of this licence.	
7. The licensee shall provide safe and permanent access to all on-site sampling and monitoring points and to off-site points as required by the Agency.	
8. The licensee shall at no time discharge or permit to be discharged into the sewer any liquid matter or thing which is or may be liable to set or congeal at average sewer temperature or is capable of giving off any inflammable or explosive gas or any acid, alkali or other substance in sufficient concentration to cause corrosion to sewer pipes, penstock and sewer fittings or the general integrity of the sewer.	
9. In the event of any incident which relates to discharges to sewer, having taken place, the licensee shall notify the Agency, Local Authority and Sanitary Authority as soon as practicable after the incident.	

**ADDITIONAL GENERAL CONSENT CONDITIONS**  
**in respect of discharges or emissions to sewers, in accordance with Section 52**  
**of the Waste Management Acts, 1996 to 2003**  
*(specify, if required)*


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## Limit Values for Process Effluent to Sewer

### Schedule B: Emission Limits

Waste licence application Register No. 152-3

Emission Point Reference No: \_\_\_\_\_

Emission to (*sewer description*): \_\_\_\_\_

Volume to be emitted: Maximum in any one day: \_\_\_\_\_ m<sup>3</sup>

Maximum rate per hour: \_\_\_\_\_ m<sup>3</sup>

Parameter <i>(delete parameters which are not applicable)</i>	Emission Limit Value	
	Daily Mean Concentration (mg/l)	Daily Mean Loading (kg/day)
BOD		
COD		
Suspended Solids		
PH		
Temperature		
<b>ADDITIONAL PARAMETERS</b>		
<i>(if required)</i>		

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## Frequency of Monitoring Process Effluent to Sewer

### Schedule C

Waste Licence application Register No. 152-3

Emission Point Reference No: \_\_\_\_\_

Parameter <i>(delete parameters which are not applicable)</i>	Monitoring Frequency <i>(e.g. monthly, quarterly, annually)</i>	Sampling Type <i>(grab, composite)</i>
Flow to sewer		
Temperature		
pH		
BOD		
COD		
Suspended Solids		
<b>ADDITIONAL PARAMETERS</b> <i>(if required)</i>		

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SANITARY AUTHORITY CHARGES	
Charge per cubic metre of process effluent (per s52 of the Waste Management Acts, 1996 to 2003)	
Payment Frequency	
Annual Monitoring Costs	

**Signed on behalf of South Dublin County Council**

\_\_\_\_\_ Date \_\_\_\_\_



Has the Planning Authority received written notification from the applicant of the application to The Environmental Protection Agency for a Waste Licence under Article 9 of the Waste Management (Licensing) Regulations, 1997?

Planning Authority notified	Yes <input checked="" type="checkbox"/>
	No <input type="checkbox"/>

Planning Permission relating to this application:-

has been obtained	<input checked="" type="checkbox"/>
is being processed	<input checked="" type="checkbox"/>
is not yet applied for	<input type="checkbox"/>
is not required	<input type="checkbox"/>

Local Authority Planning File Reference N <sup>o</sup> :	SO1A/0226; SD02A/0382; SD04A/0488
--	---

Attachment B.3 should contain *all* current planning permissions, including a copy of *all* conditions. Copies of any EIS should also be enclosed. For existing activities, Attachment B.3 should also contain copies of all licences and permits in force at the time of submission. Where planning permission is not required for the development, provide reasons, relevant correspondence, etc.

**B.4 Sanitary Authority**

In the case of a discharge of any trade effluent or other matter (other than domestic sewage or storm water) to a sewer of a sanitary authority, give the name of the sanitary authority in which the sewer is vested or by which it is controlled and the waste water treatment plant (if any) to which the sewer discharges.

Name: South Dublin County Council  
 Address: County Hall  
 Tallaght  
 Dublin 24  
 Tel: 01-4149000  
 Fax: 01-4149111

**Waste water treatment plant**

Name: Ringsend Wastewater Treatment Plant  
 Address: C/o Dublin City Council,  
 Civic Offices,  
 Wood Quay  
 Dublin 8  
 Tel: 01-6722222  
 Fax: 01-6773612

In the case of a discharge of any trade effluent or other matter to a sewer not vested or controlled by a sanitary authority, give the name and address of the owner(s) of the sewer and the waste water treatment plant (if any) to which the sewer discharges.

Name: not applicable  
 Address:  
 Tel:  
 Fax:

Name:  
 Address:  
 Tel:  
 Fax:

**Waste water treatment plant**

Name: not applicable  
 Address:

The applicant must enclose, as Attachment B.4, a copy of any effluent discharge licence and/or agreement between the applicant and the body with responsibility for the sewer.

#### **B.4 SANITARY AUTHORITY**

Oxygen Environmental Ltd. is currently discharging foul and process wastewater to the sewer serving Robinhood Industrial Estate, which is connected to the South Dublin County Council sewerage system. This sewerage system is part of the Dublin trunk sewer system, which discharges to the Dublin City Council waste water treatment plant at Ringsend in Dublin. The final discharge from the Ringsend treatment plant enters Dublin Bay.

It is proposed as part of this development to continue discharging to the County Council sewer system. The existing foul sewer connection is shown on Drawing No. D.1 in Attachment D.1.

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**D.1.k. ALL SERVICES**

The existing site is serviced with electricity, water, and telecommunications infrastructure. This infrastructure will also serve the waste baling station.

**D.1.1. SEWERAGE AND SURFACE WATER DRAINAGE INFRASTRUCTURE**

Drawing No. D.1 Site Infrastructure shows foul and surface water infrastructure for the existing development, which will also serve the waste baling station.

All surface water from hardstanding areas on-site is discharged to surface water sewer via an oil interceptor with an manual shut-off valve which, when activated by the Facility Manager, will prevent discharges to the surface water sewer in the event of an accidental discharge / spillage into the surface water network. There are a number of gullies located within the yard which are detailed in the drawing D.1: Site Infrastructure.

Leachate generated within the buildings and process wastewater is directed to the foul sewer.

**D.1.m. PLANT SHEDS, GARAGES AND EQUIPMENT COMPOUND**

There is a maintenance shed located to the east of the waste processing building. This shed shall store the necessary materials required for the maintenance of the on-site vehicles and baler. Other vehicles shall be regularly maintained on another Oxigen Environmental Ltd. depot. All maintenance materials shall be stored on a portable bund or within a bunded chemical store.

**D.1.n. FACILITY ACCOMMODATION**

An office is provided for the operator to facilitate administration duties. The office contains canteen and toilets facilities. (see Drawing D.1: Site Infrastructure

**D.1.o. FIRE CONTROL SYSTEM**

Fire protection is provided by two hydrant points (as detailed on the Drawing D.1: Site Infrastructure) each of which currently draws from the water supply mains. All relevant staff are trained for basic fire fighting and evacuation procedures. All site accommodation has been supplied with dedicated fire extinguishers, with a fire hose located within each inspection bay. It is proposed to install a fire alarm system within the waste processing building .

**D.1.p. CIVIC AMENITY SITE**

A civic amenity site will not be provided on-site.



## J.5 SEWER DISCHARGE

As per schedule D.5 of the existing waste licence (Register No. 152-1), Oxygen Environmental Ltd. are required to monitor the existing sewer connection (TFW1) on a quarterly basis. It is proposed to continue monitoring this location (TFW1) for the same frequency and for the same parameters, namely flow, Biochemical Oxygen Demand, Chemical Oxygen Demand, Ammoniacal nitrogen, Suspended Solids, pH, Temperature, Detergents (as MBAS) and Fats, Oils and Grease.

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## 2.1 PROPOSED OPERATIONS

### 2.1.1 General overview

Oxigen Environmental Ltd. propose to change their existing waste transfer facility at Robinhood Industrial Estate from a multi treatment waste facility (waste segregation, recycling etc.) for industrial, commercial, household and construction and demolition waste to a single treatment waste facility (i.e. baling station) for municipal and commercial waste only. It is proposed to also seek a review in the volume of waste that can be accepted at the facility from twenty four thousand and six hundred tonnes per annum to one hundred and sixty thousand tonnes per annum. It is proposed that this review of on site operations will provide the necessary infrastructure required for the treatment of non-recyclable or non-recoverable waste prior to the disposal to landfill. The existing waste transfer facility is currently operated in line with the conditions of the waste licence Register No. 152-1, which was granted by the Environmental Protection Agency in December 2001.

### 2.1.2 Site Design

The existing site layout is shown on Drawing No. D.1, Site Infrastructure in Appendix 2, which also denoted the proposed additional site entrance (currently awaiting planning permission from South Dublin County Council, Reference No. SD04A/0488). The site is accessed via Robinhood Road, which runs along the northern boundary of the site. Entry onto the site will be restricted to employees of Oxigen Environmental Ltd. or suitably permitted/licenced waste contractors (inc Local Authority waste collection vehicles) at all times during the operation of the facility. There is an existing entrance, which is located at the north western boundary. It is proposed to install a second entrance, which will be located to the west of the existing entrance. This entrance allow for vehicles to enter the site through the north western entrance only and to exit via the north eastern entrance.

The site is serviced by electricity from the national grid, which is regulated by the on-site ESB sub station. The site has an existing telecommunications network servicing the main office building and the weighbridge office.

The existing site is serviced by the South Dublin County Council water main. The water main connection will be sufficient to cater for the peak demands of the proposed change in facility operations. This connection will not impact on the water supply in the locality.

The proposed development will connect to the existing foul sewer within the Robinhood Industrial Estate. This sewer discharges to the Dublin trunk sewer system and outfalls finally into the Ringsend Treatment Works. Leachate containment provisions ensure that waters that have come in contact with the waste is not discharged into the surface water system, but discharged into the existing foul water system. The foul sewer drainage network is completely

separated from the existing surface water drainage system. Drawing No. D.1: Site Infrastructure in Appendix 2.

Surface water run-off from the hardstanding areas is collected within the drainage channels that are located across the site, and transports the surface water towards the north eastern section on the site. All surface water drainage will be discharged, via a silt trap and an oil interceptor, to the storm sewer which serves the Robinhood Industrial Estate. This storm sewer collects surface water run-off from the adjacent industrial properties, and ultimately discharges to the River Camac, which is a tributary of the River Liffey.

For details of plant sheds, garages and equipment compounds please see Drawing D.1: Site Infrastructure. An office building houses all administrative activities, and staff facilities (i.e. canteen, toilets etc.).

There is currently an Avery (flush with road) weighbridge located at the entrance of the facility. This weighbridge is connected to the Gensys (Precia Molen) software recording system, which is controlled by the weighbridge operator. It is proposed to install a second weighbridge as part of the additional entrance development.

The general public will not have access to the facility at any time.

## 2.2 WASTE ACCEPTANCE AND HANDLING

All wastes accepted at the facility will be in line with the existing waste acceptance procedures as developed in line with the conditions of the waste licence Register No. 152-1 (see Appendix 4). Waste is delivered to the facility by Oxigen Environmental Ltd employees, Local Authority employees or by suitably permitted/licenced waste contractors.

Waste containers are visually inspected prior to its acceptance by the vehicle operator to ensure that the waste type is allowed to be accepted under the requirements of the waste licence. Prior to gaining access to the site the vehicle operator is required to provide the necessary information, such as the waste type, source of the waste, vehicle type, vehicle operators name, and any other relevant information deemed necessary by the weighbridge operator. The load will be required to be verified by the computer system prior to the barrier being raised.

The vehicle operator is directed to the appropriate waste tipping area using a traffic light system. The vehicle operator will reverse into the required waste tipping area, where its load is deposited. If on initial inspection the load contains non conforming waste streams, the vehicle operator will be required to remove the entire load from the facility, prior to exiting the site.

### *Foul Sewage System*

It is anticipated that there will be no additional stress placed on the local foul water sewer network.

## (6) Environmental Nuisances

As with any facility that deals with waste, some environmental nuisances can occur within the site, and within the environs. Due to the distance between the nearest residence and the waste baling facility (approximately 150 m), the impact from nuisances is deemed minimal. However some specific measures have been adopted to combat the effect of these nuisances which are detailed below.

### *Aerosol control*

As it is not proposed to accept liquid wastes on site, it is deemed that the production of aerosols on site will not occur. Therefore there is no need for aerosol control at this time

### *Bird control*

Oxigen Environmental Ltd. currently have an Environmental Management System developed for the existing site. This system incorporates a bird control system. Waste handling procedures on site ensure that all waste is exposed only within the waste processing building and all stored waste is held within sealed containers and therefore not a source of food for scavenging birds.

### *Dust control*

A procedure has been developed for the controlling of dust on site. Waste handling operations on the site ensure that all tipping of waste occurs within the waste processing building, and therefore on-site dust generation is restricted to the movement of traffic on site, which is considered to be minimal. Continual checks shall be undertaken by the facility manager to ensure that there is no excessive generation of dust on site.

### *Fire control*

The site is fitted with two hydrants, which are connected to the water mains, and fire reels and extinguishers are strategically placed within the waste processing building. Fire fighting equipment is maintained on a regular basis. Fire fighting training and awareness has been given to all members of staff on site. Management at the site has developed an emergency response procedure for the facility, that details responsibility in the event of a fire or emergency event.

### 3.4.4 Proposed Mitigation Measures

Surface water discharge from the site comprises only uncontaminated run-off from hard standing and roofs. The following mitigation measures will be put in place to ensure that there is no impact from site activities on the hydrology in the area.

- Surface water run-off from the site is passed through a silt trap and oil/water interceptor, before entering the Robinhood Stream and subsequently the River Camac. This ensures that surface water discharged is within the site's licensed limits and has minimal potential to impact adversely on the hydrology in the site area.
- A single diesel tank is used to store diesel for on-site equipment. This tank is bunded with a bund that conforms to the standard bunding specification (BS8007-1987) with the capacity of holding 110% of the tank capacity. A paved area is provided around the storage tank for fuel dispensing. Lubricants, gear oils and other potentially hazardous substances will be stored on bunded shelves or portable bunded units within the shed to the east of the waste processing building.
- Spill kits (absorbent materials) will be located at strategic positions throughout the facility and in the unlikely event of a spill, will be employed to prevent any spilled material entering the surface water system. The relevant members of staff have received spill prevention and containment training.
- In order to manage the risk of contaminated fire-fighting water impacting on the surface water drains and the consequent potential for impact to the hydrology in the area, the emergency response procedures for the facility contains provisions to protect surface water from fire-fighting water. This includes plans for the use of absorbent booms to protect surface water drains from fire-fighting water. In addition, the risk of fire is reduced through the implementation of the site's fire prevention policy.
- All baling operations will be carried out in the main building, and any run-off or wash-down generated inside this building will be discharged to the foul water drainage system rather than to surface water. In addition, drainage water from the weighbridge sump, jet-washing of vehicle is discharged to the foul water system. Routing of water from these activities to the foul drainage system, in addition to the procedure of carrying out waste operations under cover, ensures that potential for contamination of the surface water is reduced.
- During construction of the proposed entrance to the facility, strict building practices shall be adhered to in order to ensure that there are no uncontrolled discharges during construction.

It is considered that with the mitigation measures described above, the site will continue to operate without causing an adverse impact on surface water in the site area.

- **Groundwater Quality**

The site and its immediate surrounds have been historically used for quarrying activities, which have been subsequently restored (backfilled). The nature and extent of the quarrying activities are unknown at this time and as such there is the potential for previous contamination of the subsurface.

### **3.5.4 Potential Impacts from the Proposed Development**

There will be no direct discharges to groundwater or any groundwater abstractions as part of the proposed development.

Currently the development is constructed with a hardstand cover over the entire site. There will be no direct discharges to the groundwater as part of this development and it is therefore considered that there will be no impacts to the underlying groundwaters.

### **3.5.5 Proposed Mitigation Measures**

There will be no emissions to groundwater from the proposed development. All wastes and other consumables will be stored in bunded areas.

Potential leachate from the handling of wastes within the building will be collected within a dedicated drainage system and discharged to foul sewer. This will minimise the potential for indirect emissions i.e. leaks to impact on groundwater quality.



### Telecommunications

The telecommunications requirement of the site will use the existing infrastructure.

### Water Usage

Water is currently supplied by the South Dublin County Council water mains. The volume of water required on-site for general domestic, vehicle washing, floor washing and fire water purposes should be provided for without difficulty from the existing mains supply.

### Waste Waters

Process wastewaters from the waste processing building will be discharged to the South Dublin County Council sewerage system which is part of the Dublin trunk sewer. All effluent will ultimately be treated in the Ringsend Waste Water Treatment Plant. Discharges to this sewer will not place an excessive demand on the sewerage system.

### Road Network

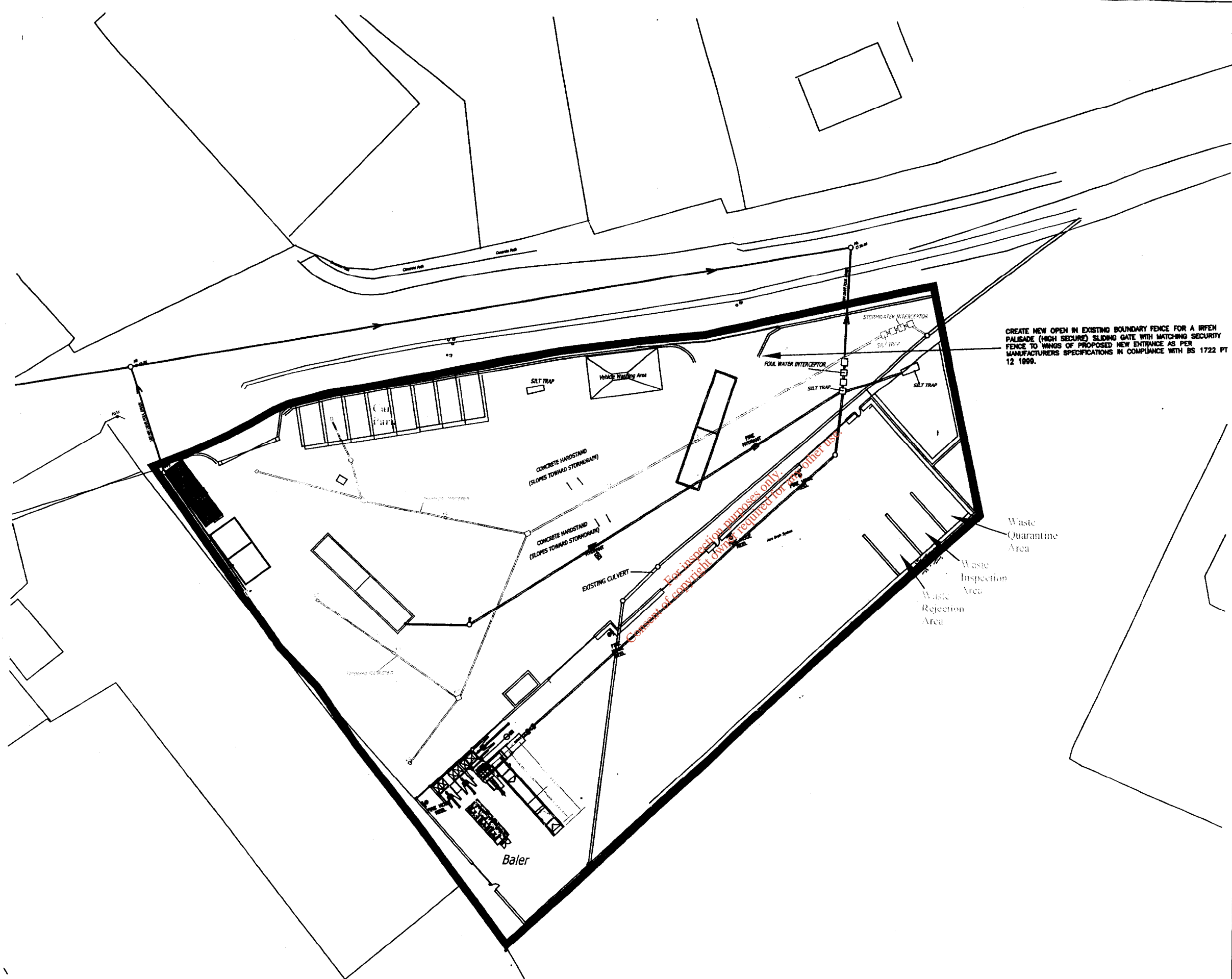
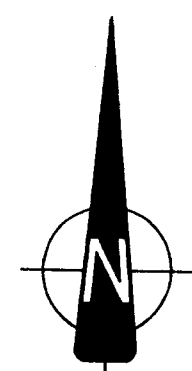
It has been shown in the traffic assessment (refer to Section 3.8) conducted that the proposed increased will not have a significant adverse impact on the road network.

In summary, it is contended that the material asset values will not be significantly affected by the proposed development as the environmental impacts (air, noise and water pollution, visual intrusion, traffic impacts) of the existing and proposed activity are shown to be minimal.



**Table H.10: DETAILS OF DISCHARGES TO SEWER  
(ONE TABLE PER EMISSION POINT)**

<b>Emission Point Ref. N<sup>o</sup>:</b>	SFW-1		
<b>Name of emission point:</b>	Emissions to Foul Sewer		
<b>Source of emission:</b>	Process waste water		
<b>Location of sewer connection:</b>	Robinhood Road		
<b>Grid Ref. (12 digit, 6E, 6N):</b>	E309499, N231110		
<b>Date of commencement:</b>	28 <sup>th</sup> August 2004		
<b>Name of sewer undertaker:</b>	South Dublin County Council		
<b>Periods of emission (avg.):</b>	Not Known min/hr	24 hr/day	351 day/yr
<b>Volume to be emitted:</b>	Average/day:		1.64 m <sup>3</sup> /d
	Maximum rate/hour:		0.10 m <sup>3</sup> /h
	Maximum rate/day:		2.50 m <sup>3</sup> /d
<b>Name of receiving water:</b>	Not Applicable		
<b>Flow rate in receiving water:</b>	.....m <sup>3</sup> .sec <sup>-1</sup> Dry Weather Flow		
	.....m <sup>3</sup> .sec <sup>-1</sup> 95%ile flow		
<b>Available waste assimilative capacity:</b> kg/day			



**LEGEND**

- Indicates Site Boundary
- Existing Weighbridge
- Proposed Weighbridge
- Surface Water Drainage
- Foul Sewer Drainage
- Existing Surface Water Culvert
- Existing Entrance
- Proposed Entrance

Rev.	DESCRIPTION	DATE

**BORD NA MÓNA**

**BORD NA MÓNA ENVIRONMENTAL LIMITED**

Main St, Newbridge, Co. Kildare  
 Phone 045 431201 Fax 045 432312  
 www.bnm.ie/environmental  
 Email: ed.info@bnm.ie

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Project **Waste Licence Review Application**

Client **Oxigen Environmental Ltd.**

Drawing Title **Site Infrastructure**

Date	Scale	Drawn by	Checked by	Approved by
Sept 2004	1:500	DOQ	GL	NC

Status	FOR APPROVAL <input type="checkbox"/>	Dwg. No.
PLANNING <input type="checkbox"/>	FOR CONSTRUCTION <input type="checkbox"/>	D.1
TENDER <input type="checkbox"/>	AS BUILT <input checked="" type="checkbox"/>	

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