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Ireland

**WASTE LICENCE  
Recommended Decision**

<b>Licence Register Number:</b>	208-1
<b>Applicant:</b>	Oxigen Environmental Ltd
<b>Location of Facility:</b>	Ballymount Industrial Estate, Ballymount Road Lower, Clondalkin,, Dublin 22

# ***INTRODUCTION***

This introduction is not part of the licence and does not purport to be a legal interpretation of the licence.

This licence is for the operation of a materials recovery facility for non-hazardous waste and a transfer station for hazardous waste located at Ballymount Industrial Estate, Ballymount Road Lower, Clondalkin, Dublin 22. The quantity of waste is limited to 350,000 tonnes per annum. This will include 30,000 tonnes per annum of hazardous waste of which 10,000 tonnes will consist of healthcare waste. The other waste will consist of segregated household waste, commercial & industrial and construction & demolition waste.

All waste processing operations will take place inside the buildings on the site. Dry recyclable waste from green bin collections will be segregated by use of screens, trommels and air blowers in the dry recyclables building. C&D waste will be sorted and wood shredded in the skip waste building. Road sweepings will be treated and the separate fractions sent off-site for recovery/disposal. The segregated recyclable waste will be baled/compacted at the site prior to recovery off-site. Hazardous waste will be stored in the waste transfer building prior to removal off-site for recovery/disposal.

The licensee must manage and operate the facility to ensure that the activities do not cause environmental pollution. The licensee is required to carry out regular environmental monitoring and submit all monitoring results plus reports on the operation and management of the facility to the Agency.

The licence sets out in detail the conditions under which Oxigen Environmental Ltd will operate and manage this facility.

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## *Glossary & Terms*

All terms in this licence should be interpreted in accordance with the definitions in the Waste Management Acts 1996 to 2003, (the Acts), unless otherwise defined in this section.

<b>Adequate lighting</b>	20 lux measured at ground level.
<b>AER</b>	Annual Environmental Report.
<b>Agreement</b>	Agreement in writing.
<b>Annually</b>	At approximately twelve monthly intervals.
<b>Attachment</b>	Any reference to Attachments in this licence refers to attachments submitted as part of this licence application.
<b>Application</b>	The application by the licensee for this licence.
<b>Appropriate facility</b>	A waste management facility, duly authorised under relevant law and technically suitable.
<b>BAT</b>	Best Available Techniques.
<b>Bi-annually</b>	All or part of a period of six consecutive months.
<b>Biennially</b>	Once every two years.
<b>BOD</b>	5 day Biochemical Oxygen Demand.
<b>CEN</b>	Comité Européen De Normalisation – European Committee for Standardisation
<b>COD</b>	Chemical Oxygen Demand.
<b>Construction and Demolition Waste</b>	Wastes that arise from construction, renovation and demolition activities: Chapter 17 of the EWC or as otherwise may be agreed.
<b>Containment boom</b>	A boom which can contain spillages and prevent them from entering drains or watercourses or from further contaminating watercourses.
<b>Daily</b>	During all days of plant operation, and in the case of emissions, when emissions are taking place; with at least one measurement on any one day.
<b>Day</b>	Any 24 hour period.
<b>Daytime</b>	0800 hrs to 2200 hrs.
<b>dB(A)</b>	Decibels (A weighted).
<b>DO</b>	Dissolved Oxygen.
<b>Documentation</b>	Any report, record, result, data, drawing, proposal, interpretation or other document in written or electronic form which is required by this licence.
<b>Drawing</b>	Any reference to a drawing or drawing number means a drawing or drawing number contained in the application, unless otherwise specified in this licence.

<b>EMP</b>	Environmental Management Programme.
<b>Emission Limits</b>	Those limits, including concentration limits and deposition rates established in <i>Schedule B</i> of this licence.
<b>Environmental Damage</b>	Has the meaning given it in Directive 2004/35/EC
<b>EPA</b>	Environmental Protection Agency.
<b>European Waste Catalogue (EWC)</b>	A harmonised, non-exhaustive list of wastes drawn up by the European Commission and published as Commission Decision 2000/532/EC and any subsequent amendment published in 'the Official Journal of the European Community.
<b>Facility</b>	Any site or premises used for the purposes of the recovery or disposal of waste.
<b>Fortnightly</b>	A minimum of 24 times per year, at approximately two week intervals.
<b>GC/MS</b>	Gas Chromatography/Mass Spectroscopy
<b>Green waste</b>	Waste wood (excluding timber), plant matter such as grass cuttings, and other vegetation.
<b>Heavy Metals</b>	This term is to be interpreted as set out in "Parameters of Water Quality, Interpretation and Standards" published by the Agency in 2001. ISBN 1-84095-015-3.
<b>HFO</b>	Heavy Fuel Oil.
<b>Hours of Operation</b>	The hours during which the facility is authorised to be operational.
<b>Hours of Waste Acceptance</b>	The hours during which the facility is authorised to accept waste
<b>ICP</b>	Inductively Coupled Plasma Spectroscopy.
<b>Incident</b>	The following shall constitute an incident for the purposes of this licence: <ul style="list-style-type: none"> <li>a) an emergency;</li> <li>b) any emission which does not comply with the requirements of this licence;</li> <li>c) any exceedence of the daily duty capacity of the waste handling equipment;</li> <li>d) any trigger level specified in this licence which is attained or exceeded; and,</li> <li>e) any indication that environmental pollution has, or may have, taken place.</li> </ul>
<b>Industrial waste</b>	As defined in Section 5(1) of the Waste Management Acts 1996 to 2003.
<b>Installation</b>	A stationary technical unit or plant where the activity concerned referred to in the First Schedule of EPA Acts 1992 and 2003 is or will be carried on, and shall be deemed to include any directly associated activity, which has a technical connection with the activity and is carried out on the site of the activity.
<b>IPPC</b>	Integrated Pollution Prevention & Control.

<b>K</b>	Kelvin.
<b>kPa</b>	Kilo Pascals.
<b>Leq</b>	Equivalent continuous sound level.
<b>Licensee</b>	Oxigen Environmental Ltd
<b>Liquid Waste</b>	Any waste in liquid form and containing less than 2% dry matter.
<b>List I</b>	As listed in the EC Directives 76/464/EEC and 80/68/EEC and amendments.
<b>List II</b>	As listed in the EC Directives 76/464/EEC and 80/68/EEC and amendments.
<b>Local Authority</b>	South Dublin County Council
<b>Maintain</b>	Keep in a fit state, including such regular inspection, servicing, calibration and repair as may be necessary to adequately perform its function.
<b>Mass Flow Limit</b>	An Emission Limit Value which is expressed as the maximum mass of a substance which can be emitted per unit time.
<b>Mass Flow Threshold</b>	A mass flow rate, above which, a concentration limit applies.
<b>Monthly</b>	A minimum of 12 times per year, at approximately monthly intervals.
<b>Night-time</b>	2200 hrs to 0800 hrs.
<b>Noise Sensitive Location (NSL)</b>	Any dwelling house, hotel or hostel, health building, educational establishment, place of worship or entertainment, or any other facility or area of high amenity which for its proper enjoyment requires the absence of noise at nuisance levels.
<b>Oil Separator</b>	Device installed according to the International Standard I.S. EN 858-2:2003 (Separator systems for of light liquids (e.g. oil and petrol)-Part 2: Selection of nominal size, installation, operation and maintenance.
<b>PER</b>	Pollution Emission Register.
<b>Quarterly</b>	All or part of a period of three consecutive months beginning on the first day of <b>January, April, July or October.</b>
<b>Sanitary Authority</b>	South Dublin County Council
<b>Sanitary Effluent</b>	Waste water from facility toilet, washroom and canteen facilities
<b>Sample(s)</b>	Unless the context of this licence indicates to the contrary, samples shall include measurements by electronic instruments.
<b>SOP</b>	Standard Operating Procedure.
<b>Standard Method</b>	A National, European or internationally recognised procedure (eg, I.S. EN, ISO, CEN, BS or equivalent), as an in-house documented procedure based on the above references, a procedure as detailed in the current edition of "Standard Methods for the Examination of Water and Wastewater", (prepared and published jointly by A.P.H.A., A.W.W.A & W.E.F), American Public Health Association, 1015 Fifteenth Street, N.W., Washington DC 20005, USA; or, an

	alternative method as may be agreed by the Agency.
<b>Storm Water</b>	Rain water run-off from roof and non-process areas.
<b>The Agency</b>	Environmental Protection Agency.
<b>TOC</b>	Total Organic Carbon.
<b>Trade Effluent</b>	Trade Effluent has the meaning given in the water pollution Acts 1977 and 1990
<b>Trigger Level</b>	A parameter value, the achievement or exceedance of which requires certain actions to be taken by the licensee.
<b>Weekly</b>	During all weeks of plant operation, and in the case of emissions, when emissions are taking place; with at least one measurement in any one week.
<b>WWTP</b>	Waste Water Treatment Plant.

## ***Decision & Reasons for the Decisions***

### ***Reasons for the Decision***

The Agency is satisfied, on the basis of the information available, that subject to compliance with the conditions of this licence, any emissions from the activity will comply with and will not contravene any of the requirements of Section 40(4) of the Waste Management Acts 1996 to 2003.

In reaching this decision the Environmental Protection Agency has considered the application and supporting documentation received from the applicant, the submission received from a third party and the report of its inspector.



## ***Part I Schedule of Activities Licensed***

In pursuance of the powers conferred on it by the Waste Management Acts 1996 to 2003, the Environmental Protection Agency (the Agency) proposes, under Section 40(1) of the said Act to grant this Waste Licence to Oxigen Environmental Ltd to carry on the waste activities listed below at Ballymount Industrial Estate, Ballymount Road Lower, Clondalkin, Dublin 22 subject to conditions, with the reasons therefor and the associated schedules attached thereto set out in the licence.

### **Licensed Waste Disposal Activities, in accordance with the Third Schedule of the Waste Management Acts 1996 to 2003**

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 or 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 of this Schedule.
Class 12.	Repackaging prior to submission to any activity referred to in a preceding paragraph of this 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.

### **Licensed Waste Recovery Activities, in accordance with the Fourth Schedule of the Waste Management Acts 1996 to 2003**

Class 2.	Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological processes).
Class 3.	Recycling or reclamation of metals and metal compounds.
Class 4.	Recycling or reclamation of other inorganic materials.
Class 11.	<b>Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule.</b>
Class 12.	Exchange of waste for submission to any activity referred to in a preceding paragraph of this Schedule.
Class 13.	Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced.

## ***Part II Schedule of Activities Refused***

On the basis of the information before it, the Environmental Protection Agency (the Agency), pursuant to its powers under Section 40(1) of the Waste Management Acts 1996 to 2003, proposes to refuse the following classes of activity.

***Refused waste disposal activities, in accordance with the Third Schedule  
of the Waste Management Acts 1996 to 2003***

<p><b>Class 4.</b>      <b>Surface impoundment, including placement of liquid or sludge discards into pits, ponds or lagoons:</b> Reason: The proposed activity to be carried out under this class is more appropriately licensed under Class 13 of this Schedule.</p>
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## Part III Conditions

### Condition 1. Scope

- 1.1 Waste activities at this facility shall be restricted to those listed and described in **Part I - Activities Licensed** and shall be as set out in the licence application and subject to the conditions of this licence.
- 1.2 Activities at this facility shall be limited as set out in **Schedule A: Limitations**.
- 1.3 The facility shall be controlled, operated, and maintained and emissions shall take place as set out in this licence. All programmes required to be carried out under the terms of this licence, become part of this licence.
- 1.4 For the purposes of this licence, the facility is the area of land outlined in red on Drawing No. B2(a) of the application. Any reference in this licence to "facility" shall mean the area thus outlined in red. The licensed activities shall be carried on only within the area outlined.
- 1.5 No alteration to, or reconstruction in respect of, the activity or any part thereof which would, or is likely **to**, result in
  - (a) a material change or increase in:
    - The nature or quantity of any emission,
    - The abatement/treatment or recovery systems,
    - The range of processes to be carried out,
    - The fuels, raw materials, intermediates, products or wastes generated, or
  - (b) any changes in:
    - Site management infrastructure or control with adverse environmental significance,shall be carried out or commenced without prior notice to, and without the agreement of, the Agency.
- 1.6 This licence is for the purposes of waste licensing under the Waste Management Acts 1996 to 2003 only and nothing in this licence shall be construed as negating the licensee's statutory obligations or requirements under any other enactments or regulations.

**Reason:** To clarify the scope of this licence.

### Condition 2. Management of the Facility

- 2.1 Facility Management
  - 2.1.1 The licensee shall employ a suitably qualified and experienced facility manager who shall be designated as the person in charge. The facility manager or a nominated, suitably qualified and experienced, deputy shall be present on the facility at all times during its operation or as otherwise required by the Agency.
  - 2.1.2 The licensee shall ensure that personnel performing specifically assigned tasks shall be qualified on the basis of appropriate education, training and experience, as required and shall be aware of the requirements of this licence. In addition, the facility manager and his/her deputy shall

successfully complete FAS waste management training programme or equivalent agreed with the Agency.

## 2.2 Environmental Management System (EMS)

2.2.1 The licensee shall establish and maintain an Environmental Management System (EMS) prior to the commencement of the activity. The EMS shall be updated on an annual basis.

2.2.2 The EMS shall include as a minimum the following elements:

2.2.2.1 Management and Reporting Structure.

2.2.2.2 Schedule of Environmental Objectives and Targets.

The licensee shall prepare a Schedule of Environmental Objectives and Targets. The Schedule shall as a minimum provide for a review of all operations and processes, including an evaluation of practicable options, for energy and resource efficiency, the use of cleaner technology, cleaner production, and the prevention, reduction and minimisation of waste, and shall include waste reduction targets. The Schedule shall include time frames for the achievement of set targets and shall address a five-year period as a minimum. The Schedule shall be reviewed annually and amendments thereto notified to the Agency for agreement as part of the Annual Environmental Report (AER).

2.2.2.3 Environmental Management Programme (EMP)

The licensee shall, not later than six months from the date of grant of this licence, submit to the Agency for agreement an EMP, including a time schedule, for achieving the Environmental Objectives and Targets prepared under Condition 2.2.2.2. Once agreed the EMP shall be established and maintained by the licensee. It shall include:

- (b) designation of responsibility for targets;
- (c) the means by which they may be achieved;
- (d) the time within which they may be achieved.

The EMP shall be reviewed annually and amendments thereto notified to the Agency for agreement as part of the Annual Environmental Report (AER) (Condition 11.8).

A report on the programme, including the success in meeting agreed targets, shall be prepared and submitted to the Agency as part of the AER. Such reports shall be retained on-site for a period of not less than seven years and shall be available for inspection by authorised persons of the Agency.

2.2.2.4 Documentation

- (i) The licensee shall establish and maintain an environmental management documentation system which shall be to the satisfaction of the Agency.
- (ii) The licensee shall issue a copy of this licence to all relevant personnel whose duties relate to any condition of this licence.

2.2.2.5 Corrective Action

The licensee shall establish procedures to ensure that corrective action is taken should the specified requirements of this licence not be fulfilled. The responsibility and authority for initiating further

investigation and corrective action in the event of a reported non-conformity with this licence shall be defined

#### 2.2.2.6 Awareness and Training

The licensee shall establish and maintain procedures for identifying training needs, and for providing appropriate training, for all personnel whose work can have a significant effect upon the environment. Appropriate records of training shall be maintained.

#### 2.2.2.7 Communications Programme

The licensee shall establish and maintain a Communications Programme to ensure that members of the public can obtain information at the facility, at all reasonable times, concerning the environmental performance of the facility.

**Reason:** *To make provision for management of the activity on a planned basis having regard to the desirability of ongoing assessment, recording and reporting of matters affecting the environment.*

### Condition 3. Infrastructure and Operation

- 3.1 The licensee shall establish all infrastructure referred to in this licence prior to the commencement of the licensed activities or as required by the conditions of this licence.
- 3.2 Specified Engineering Works
- 3.2.1 The licensee shall submit proposals for all Specified Engineering Works, as defined in *Schedule D: Specified Engineering Works* of this licence, to the Agency for its agreement at least two months prior to the intended date of commencement of any such works. No such works shall be carried out without the prior agreement of the Agency.
- 3.2.2 All specified engineering works shall be supervised by a competent person(s) and that person, or persons, shall be present at all times during which relevant works are being undertaken.
- 3.2.3 Following the completion of all specified engineering works, the licensee shall complete a construction quality assurance validation. The validation report shall be made available to the Agency on request. The report shall, as appropriate, include the following information:-
- A description of the works;
  - As-built drawings of the works;
  - Any other information requested in writing by the Agency.
- 3.3 Facility Notice Board
- 3.3.1 The licensee shall provide and maintain a Facility Notice Board on the facility so that it is legible to persons outside the main entrance to the facility. The minimum dimensions of the board shall be 1200 mm by 750 mm.
- 3.3.2 The board shall clearly show:-
- the name and telephone number of the facility;
  - the normal hours of opening;

- c) the name of the licence holder;
- d) an emergency out of hours contact telephone number;
- e) the licence reference number; and
- f) where environmental information relating to the facility can be obtained.

**3.4 Facility Security**

3.4.1 Security and stockproof fencing and gates shall be installed and maintained. The base of the fencing shall be set in the ground.

3.4.2 Gates shall be locked when the facility is unsupervised.

3.4.3 The licensee shall remedy any defect in the gates and/or fencing as follows:-

- a) A temporary repair shall be made by the end of the working day; and
- b) A repair to the standard of the original gates and/or fencing shall be undertaken with three working days.

**3.5 Facility Roads and Site Surfaces**

3.5.1 Effective site roads shall be provided and maintained to ensure the safe movement of vehicles within the facility.

3.5.2 The licensee shall provide, and maintain an impermeable hardstanding surface in all areas of the facility associated with the movement, processing, storage and handling of waste. The surfaces shall be concreted and constructed to British Standard 8110, or equivalent approved by the Agency.

**3.6 Facility Office**

3.6.1 The licensee shall provide and maintain an office at the facility. The office shall be constructed and maintained in a manner suitable for the processing and storing of documentation.

3.6.2 The licensee shall provide and maintain a working telephone and a method for electronic transfer of information at the facility.

**3.7 Waste Inspection and Quarantine Area**

3.7.1 Within three months of the date of grant of this licence, the licensee shall provide and maintain a Waste Inspection Area and a separate Waste Quarantine Area in each waste processing building.

3.7.2 These areas shall be constructed and maintained in a manner suitable, and be of a size appropriate, for the inspection of waste and subsequent quarantine if required. The waste inspection area and the waste quarantine area shall be clearly identified and segregated from each other.

3.7.3 Drainage from these areas shall be directed for collection and safe disposal.

3.7.4 The waste inspection and quarantine areas shall be secured and rendered impervious to the material inspected or stored therein.

**3.8 Hazardous/Healthcare Waste Transfer Inspection and Quarantine Areas**

- 3.8.1 Prior to the acceptance of hazardous and/or healthcare waste at the facility, the licensee shall provide separate Waste Inspection Areas and Waste Quarantine Areas for hazardous and healthcare waste at the facility.
- 3.8.2 These areas shall be constructed and maintained in a manner suitable, and be of a size appropriate, for the inspection of waste and subsequent quarantine if required. The waste inspection areas and the waste quarantine areas shall be clearly identified and segregated from each other.
- 3.8.3 The healthcare waste quarantine area shall be equipped with a freezer cabinet for the storage of wastes that are liable to putrefy.
- 3.8.4 Drainage from these areas shall be directed for collection and safe disposal.
- 3.8.5 The waste inspection and quarantine areas shall be secured and rendered impervious to the material inspected or stored therein.
- 3.9 Weighbridge
- 3.9.1 The licensee shall provide and maintain a weighbridge at the facility.
- 3.10 Waste handling, ventilation and processing plant
- 3.10.1 Items of plant deemed critical to the efficient and adequate processing of waste at the facility (including *inter alia* waste loading vehicles and ejector trailers) shall be provided on the following basis:-
- 100% duty capacity;
  - 20% standby capacity available on a routine basis; and
  - Provision of contingency arrangements and/or back up and spares in the case of breakdown of critical equipment.
- 3.10.2 Within three months from the date of grant of this licence, the licensee shall provide a report for the agreement of the Agency detailing the duty and standby capacity in tonnes per day, of all waste handling and processing equipment to be used at the facility. These capacities shall be based on the licensed waste intake, as per *Schedule A: Waste Acceptance* of this licence.
- 3.10.3 The **quantity** of waste to be accepted at the facility on a daily basis shall not exceed the duty capacity of the equipment at the facility. Any exceedance of this intake shall be treated as an incident.
- 3.11 The licensee shall clearly label and provide safe and permanent access to all on-site sampling and monitoring points and to off-site points as required by the Agency.
- 3.12 Tank and Drum Storage Areas
- 3.12.1 All tank and drum storage areas shall be rendered impervious to the materials stored therein.
- 3.12.2 Hazardous wastes and fuels shall only be stored at appropriately bunded locations on the site.
- 3.12.3 Bunds shall be designed in accordance with the guidance published by the Agency: "IPPC Guidance Note on Storage and Transfer of Materials for Scheduled Activities".

- 3.12.4 All tank and drum storage areas shall, as a minimum, be bunded, either locally or remotely, to a volume not less than the greater of the following:-
- (i) 110% of the capacity of the largest tank or drum within the bunded area; or
  - (ii) 25% of the total volume of substance which could be stored within the bunded area.
- 3.12.5 All drainage from bunded areas shall be diverted for collection and safe disposal.
- 3.12.6 All inlets, outlets, vent pipes, valves and gauges must be within the bunded area.
- 3.12.7 The integrity and water tightness of all the bunding structures and their resistance to penetration by water or other materials stored therein shall be demonstrated by the licensee and reported to the Agency within six months of the date of grant of this licence and at least once every three years thereafter. This testing shall be carried out in accordance with any guidance published by the Agency.
- 3.13 Silt Traps and Oil Separators
- 3.13.1 The licensee shall maintain silt traps and an oil separator at the facility to ensure that all storm water discharges from the facility pass through a silt trap and oil separator prior to discharge. The separator shall be a Class I full retention separator and the silt traps and separator shall be in accordance with I.S. EN 858-2:2003 (separator systems for light liquids).
- 3.14 Drainage system and pipeline testing
- 3.14.1 Within three months of the date of grant of this licence, all foul sewer gullies, drainage grids and manhole covers shall be painted with red squares and all surface water discharge gullies, drainage grids and manhole covers shall be painted with blue triangles. These colour codes shall be maintained so as to be visible at all times during facility operation, and any identification designated in this licence shall be inscribed on these manholes.
- 3.14.2 The integrity and water tightness of all underground pipes and tanks and their resistance to penetration by water or other materials carried or stored therein shall be tested and demonstrated by the licensee and shall be reported to the Agency within six months of the date of grant of this licence. This testing shall be carried out by the licensee at least once every three years thereafter and reported to the Agency on each occasion. A written record of all integrity tests and any maintenance or remedial work arising from them shall be maintained by the licensee.
- 3.15 Firewater Retention
- 3.15.1 The licensee shall carry out a risk assessment to determine if the activity should have a fire-water retention facility. The licensee shall submit the assessment and a report to the Agency on the findings and recommendations of the assessment within six months from the date of grant of this licence
- 3.15.2 In the event that a significant risk exists for the release of contaminated fire-water, the licensee shall, based on the findings of the risk assessment, prepare and implement, with the agreement of the Agency, a suitable risk management programme. The risk management programme shall be fully implemented within three months from date of notification by the Agency.



- 3.15.3 The licensee shall have regard to the Environmental Protection Agency Draft Guidance Note to Industry on the Requirements for Fire-Water Retention Facilities when implementing Conditions 3.15.1 and 3.15.2 above.
- 3.16 Construction and Demolition Waste Recovery Area
- 3.16.1 All Construction and Demolition waste processing shall be carried out indoors. Details of the proposed infrastructure shall be submitted to the Agency for agreement prior to any construction works.
- 3.16.2 The infrastructure shall as a minimum comprise the following:
- Acoustic screening to ensure compliance with the limit values in *Schedule B.2 Noise Emissions* of this licence;
  - Adequate containment of stockpiles to minimise dust generation.
- 3.16.3 Only Construction and Demolition waste shall be accepted at this area. Wastes which are capable of being recovered shall be separated and shall be stored temporarily in this area prior to being subjected to other recovery activities at the facility or transport off the facility.
- 3.17 Wood shredding area
- 3.17.1 All wood shredding operations shall be carried out indoors. Details of the proposed infrastructure for the wood shredder shall be submitted to the Agency for agreement prior to any construction works.
- 3.17.2 This infrastructure shall as a minimum comprise the following:
- Acoustic screening to ensure compliance with the limit values in *Schedule B.2 Noise Emissions* of this licence;
  - Adequate containment of stockpiles to minimise dust generation.
- 3.17.3 Procedures for the operation of the wood shredder shall be submitted to the Agency for agreement prior to the commencement of any wood shredding.
- 3.17.4 Prior to the use of the wood shredder, the licensee shall submit a proposal to the Agency for its agreement on the tonnages and type of wood to be shredded, a prediction of noise and dust emissions associated with the operation of a wood shredder on site, and arising abatement infrastructure, including a report with recommendations on the outlets for the shredded wood as a recovered **product**.
- 3.18 Road sweepings area
- 3.18.1 Prior to the commencement of handling of road sweepings, the licensee shall submit a proposal to the Agency for its approval on the infrastructure, plant and process to be used for the processing of road sweepings.
- 3.19 Hazardous and healthcare waste transfer areas
- 3.19.1 Prior to acceptance of hazardous and healthcare waste, the licensee shall provide separate hazardous and healthcare waste transfer areas. This infrastructure shall as a minimum comprise the following:
- an impermeable concrete slab;
  - collection and disposal infrastructure for all run-off;
- 3.19.2 Hazardous and healthcare waste shall be only stored indoors in the designated areas.

- 3.20 Monitoring Infrastructure which is damaged or proves to be unsuitable for its purpose shall be replaced within three months of it being damaged or recognised as being unsuitable.
- 3.21 The licensee shall, within three months of the date of grant of this licence, install in a prominent location on the site a windsock or other direction indicator, which shall be visible from the public roadway outside the site.

**REASON:** *To provide for appropriate operation of the facility to ensure protection of the environment.*

## Condition 4. Interpretation

- 4.1 Emission limit values for emissions to sewer in this licence shall be interpreted in the following way:-
- 4.1.1 Composite Sampling:
- (i) No pH value shall deviate from the specified range.
  - (ii) For parameters other than pH and flow, eight out of ten consecutive composite results, based on flow proportional composite sampling, shall not exceed the emission limit value. No individual result similarly calculated shall exceed 1.2 times the emission limit value.
- 4.1.2 Discrete Sampling
- For parameters other than pH and temperature, no grab sample value shall exceed 1.2 times the emission limit value.
- 4.2 Dust and particulate matter from the activity shall not give rise to deposition levels which exceed the limit value(s).
- 4.3 Noise from the facility shall not give rise to sound pressure levels (Leq,T) measured at noise sensitive locations which exceed the limit value(s).

**Reason:** *To clarify the interpretation of limit values fixed under the licence.*

## Condition 5. Emissions

- 5.1 No specified emission from the facility shall exceed the emission limit values set out in **Schedule B: Emission Limits** of this licence. There shall be no other emissions of environmental significance.
- 5.2 The licensee shall ensure that the activities shall be carried out in a manner such that emissions including odours do not result in significant impairment of, and/or significant interference with amenities or the environment beyond the facility boundary.
- 5.3 No substance shall be discharged in a manner, or at a concentration which, following initial dilution, causes tainting of fish or shellfish.
- 5.4 Unless otherwise agreed by the Agency, no trade effluent, leachate or contaminated storm water shall be discharged to the surface water drains and courses.

- 5.5 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.
- 5.6 The licensee shall, at least weekly, inspect the facility and its immediate surrounds for nuisances caused by vermin and odours. Written records shall be maintained of all inspections and any actions taken as a result of these inspections.
- 5.7 All loose litter accumulated within the facility and its environs shall be collected and appropriately recovered or disposed of on a daily basis.

**Reason:** *To provide for the protection of the environment by way of control and limitation of emissions and to provide for the requirements of the Sanitary Authority in accordance with Section 52 of the Waste Management Acts 1996 to 2003.*

## Condition 6. Control and Monitoring

- 6.1 The licensee shall ensure that vermin, birds, flies, mud, dust, litter and odours do not give rise to nuisance at the facility or in the immediate vicinity of the facility. Any method used by the licensee to control any such nuisance shall not cause environmental pollution.
- 6.2 The licensee shall ensure that all vehicles delivering waste to and removing waste from the facility are appropriately covered.
- 6.3 Dust/Odour Control
- 6.3.1 All putrescible waste for disposal stored overnight at the facility shall be stored in suitably covered and enclosed containers indoors and shall be removed from the facility within forty-eight hours; seventy-two hours in the case of a Bank Holiday.
- 6.3.2 In dry weather, site roads and any other areas used by vehicles shall be sprayed with water as and when required to minimise airborne dust nuisance.
- 6.3.3 The licensee shall install and provide adequate measures for the control of odours and dust emissions, including fugitive dust emissions, at all waste processing and transfer buildings. Such measures shall as a minimum include the following:-
- (i) Dust curtains, or equivalent approved by the Agency, shall be maintained on the entry/exit points. All other doors shall be kept closed where possible.
  - (ii) **Installation of an odour management system on waste processing buildings to include a negative air pressure system. The licensee shall prepare a report on the effectiveness of this system within 18 months of the date of grant of the licence. Having regard to the findings of this report the Agency may instruct the licensee to install an appropriate odour abatement system within a specified period.**
  - (iii) Provision of 100% duty capacity and 20% standby capacity, back ups and spares must be provided for the air handling, ventilation and abatement plant.

### 6.4 Operational Controls

- 6.4.1 The floor of each waste processing and transfer building shall be swept/washed and cleared of all waste at the end of the working day. The floor of the storage bays for recovered waste shall be washed down and cleaned each time the bays are emptied or, as a minimum, once a week.
  - 6.4.2 The licensee shall provide and use adequate lighting during the operation of the facility in hours of darkness.
  - 6.4.3 Fuels shall be stored only at appropriately bunded locations on the facility.
  - 6.4.4 All tanks and **drums** shall be labelled to clearly indicate their contents.
  - 6.4.5 There shall be no casual public access to the facility.
  - 6.4.6 Scavenging shall not be permitted at the facility.
  - 6.4.7 Gates shall be locked when the facility is unsupervised.
- 6.5 Off-site disposal and recovery
- 6.5.1 Wastes sent off-site for recovery or disposal shall be conveyed only by a waste contractor agreed by the Agency.
  - 6.5.2 All waste transferred from the facility shall be transferred only to an appropriate facility agreed by the Agency.
  - 6.5.3 All wastes removed off-site for recovery or disposal shall be transported from the facility to the consignee in a manner which will not adversely affect the environment.
- 6.6 Maintenance
- 6.6.1 All treatment/abatement and emission control equipment shall be calibrated and maintained in accordance with the instructions issued by the manufacturer/supplier or installer. Written records of the calibrations and maintenance shall be made and kept by the licensee.
  - 6.6.2 The licensee shall maintain all plant and equipment in accordance with the manufacturers' instructions.
- 6.7 The licensee shall carry out such monitoring and at such locations and frequencies as set out in *Schedule C: Control & Monitoring* of this licence. Unless otherwise specified by this licence, all environmental monitoring shall commence no later than two months after the date of grant of this licence.
- 6.8 The licensee shall amend the frequency, locations, methods and scope of monitoring as required by this licence only upon the written instruction of the Agency and shall provide such information concerning such amendments as may be requested in writing by the Agency.
- 6.9 Monitoring and analysis equipment shall be operated and maintained as necessary so that monitoring accurately reflects the emission, discharge or parameter.
- 6.10 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.

- 6.11 The frequency, methods and scope of monitoring, sampling and analyses, as set out in this licence, may be amended with the agreement of the Agency following evaluation of test results.
- 6.12 Process Effluent
- 6.12.1 The drainage system, silt traps and oil separators shall be inspected weekly, desludged as necessary and properly maintained at all times. All sludge and drainage from these operations shall be collected for safe disposal. A written record shall be kept of the inspections, desludging, cleaning, disposal of associated waste products, maintenance and performance of the interceptors, bunds and drains.
- 6.12.2 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.
- 6.13 Storm water
- 6.13.1 A visual examination of the storm water discharge shall be carried out daily. A log of such inspections shall be maintained.
- 6.13.2 The drainage system, bunds, silt traps and oil separator shall be inspected weekly, desludged as necessary and properly maintained at all times. All sludge and drainage from these operations shall be collected for safe disposal. A written record shall be kept of the inspections, desludging, cleaning, disposal of associated waste products, maintenance and performance of the interceptors, bunds and drains.
- 6.14 The licensee shall carry out a noise survey of the site within twelve months of the date of grant of this licence. The survey programme shall be undertaken in accordance with the methodology specified in the 'Environmental Noise Survey Guidance Document' as published by the Agency. The survey shall be repeated at intervals as specified by the Agency.

*Reason: To provide for the protection of the environment by way of treatment and monitoring of emissions and to provide for the requirements of the Sanitary Authority in accordance with Section 52 of the Waste Management Acts 1996 to 2003.*

## **Condition 7. Resource Use and Energy Efficiency**

- 7.1 The licensee shall carry out an audit of the energy efficiency of the site within one year of the date of grant of this licence. The audit shall be carried out in accordance with the guidance published by the Agency; "Guidance Note on Energy Efficiency Auditing". The energy efficiency audit shall be repeated at intervals as required by the Agency.
- 7.2 The audit shall identify all opportunities for energy use reduction and efficiency and the recommendations of the audit will be incorporated into the Schedule of Environmental Objectives and Targets under Condition 2.2.2.2 above.
- 7.3 The licensee shall identify opportunities for reduction in the quantity of water used on site including recycling and reuse initiatives, wherever possible. Reductions in water usage shall be incorporated into Schedule of Environmental Objectives and Targets.

- 7.4 The licensee shall undertake an assessment of the efficiency of use of raw materials in all processes, having particular regard to the reduction in waste generated. The assessment should take account of best international practice for this type of activity. Where improvements are identified, these shall be incorporated into the Schedule of Environmental Objectives and Targets.

*Reason: To provide for the efficient use of resources and energy in all site operations.*

## **Condition 8. Materials Handling**

- 8.1 Disposal or recovery of waste shall only take place in accordance with the conditions of this licence and in accordance with the appropriate National and European legislation and protocols.
- 8.2 Waste sent off-site for recovery or disposal shall be transported only by an authorised waste contractor. The waste shall be transported only from the site of the activity to the site of recovery/disposal in a manner which will not adversely affect the environment and in accordance with the appropriate National and European legislation and protocols.
- 8.3 The licensee shall ensure that waste prior to transfer to another person shall be classified packaged and labelled in accordance with National, European and any other standards which are in force in relation to such labelling.
- 8.4 Any spillages of hazardous or healthcare waste shall be cleaned up so as to prevent spilled fluid draining to sewer, surface water or ground, and so as not to adversely affect the environment.
- 8.5 Waste shall be stored in designated areas, protected as may be appropriate, against spillage and leachate run-off. The waste is to be clearly labelled and appropriately segregated.
- 8.6 No waste classified as green list waste in accordance with the EU Transfrontier Shipment of Waste Regulations (Council Regulation EEC No.259/1993, as amended) shall be consigned for recovery without the agreement of the Agency.
- 8.7 Unless approved in writing by the Agency the licensee is prohibited from mixing a hazardous waste of one category with a hazardous waste of another category or with any other non-hazardous waste.
- 8.8 All waste processing shall be carried out inside the appropriate facility buildings.**
- 8.9 Within three months of the date of grant of licence, the licensee shall agree with the Agency a list of processed wastes which may be stored outdoors on hardstanding, in suitably secured containers or bays.**
- 8.10 Baled residual wastes from the licensed waste facility operated by Oxigen Environmental Limited located at Robinhood Industrial Estate and bearing Register No. 152-2 may be accepted and stored at the facility for no longer than periods of 24 hours, or 48 hours at weekends, prior to removal to licensed landfill or appropriate facility.**
- 8.11 Waste Acceptance and Characterisation Procedures
- 8.11.1 Waste shall only be accepted at the facility, from holders of waste permits, unless exempted or excluded, issued under the Waste Management (Collection Permit) Regulations, 2001. Copies of these waste collection permits must be maintained at the facility.

- 8.11.2 Prior to acceptance of hazardous and healthcare waste, the licensee shall establish and maintain detailed written procedures for the acceptance and handling of such wastes. Within six months of the date of grant of this licence, the licensee shall establish and maintain detailed written procedures for the acceptance and handling of all other wastes.
- 8.11.3 Waste arriving at the facility shall be inspected at the point of entry to the facility and subject to this inspection shall be directed to the appropriate waste building or designated storage/recovery areas. Each load of waste arriving at the facility shall be inspected upon tipping or unloading inside the appropriate building. Only after such inspections shall the waste be processed for disposal or recovery.
- 8.11.4** Any waste deemed unsuitable for processing at the facility and/or in contravention of this licence shall be immediately separated and removed from the facility at the earliest possible time. Temporary storage of such wastes shall be in the designated appropriate Waste Quarantine Area. Waste shall be stored under appropriate conditions in the quarantine area to avoid putrefaction, odour generation, the attraction of vermin and any other nuisance or objectionable conditions.
- 8.11.5 A record of all inspections of incoming waste loads shall be maintained.
- 8.11.6 Waste shall be accepted at the facility only from known customers or new customers subject to initial waste profiling and waste characterisation off-site. The written records of this off-site profiling and characterisation shall be retained by the licensee for all active customers and for a two year period following termination of licensee/customer agreements.
- 8.12 Hazardous waste transfer station
- 8.12.1 No hazardous or healthcare waste shall be stored at the facility for longer than three months.
- 8.12.2 The hazardous and healthcare areas shall be kept locked at all times except during movement of waste into or out of storage.
- 8.12.3 The use of the quarantine areas shall be reported on in the AER or otherwise as requested by the Agency.
- 8.13 Handling of hazardous and healthcare waste
- 8.13.1 Healthcare waste shall only be accepted at the facility in UN complaint containers, supplied by a specialised contractor to be agreed with the Agency.
- 8.13.2 All containers shall be readily identifiable as to their contents and any associated hazards.
- 8.13.3 All containers for hazardous and healthcare waste received at the facility shall be whole and sound. Any leaking or otherwise ruptured containers shall immediately be overdrummed. This activity shall take place in a bunded area such that any spillage may be contained and collected.
- 8.13.4 No processing of hazardous and healthcare waste shall take place at the facility.
- 8.13.5 No washing or decontamination of healthcare waste containers shall take place at the facility.

*Reason: To provide for the appropriate handling of materials and the protection of the environment.*

## Condition 9. Accident Prevention and Emergency Response

- 9.1 The licensee shall, prior to the commencement of the activity, ensure that a documented Accident Prevention Policy is in place which will address the hazards on-site, particularly in relation to the prevention of accidents with a possible impact on the environment. This procedure shall be reviewed annually and updated as necessary.
- 9.2 The licensee shall, prior to the date of commencement of the activity, ensure that a documented Emergency Response Procedure is in place, which shall address any emergency situation which may originate on-site. This Procedure shall include provision for minimising the effects of any emergency on the environment. This procedure shall be reviewed annually and updated as necessary.
- 9.3 In the event of an incident the licensee shall immediately:-
- (i) isolate the source of any such emission;
  - (ii) carry out an immediate investigation to identify the nature, source and cause of the incident and any emission arising therefrom;
  - (iii) evaluate the environmental pollution, if any, caused by the incident;
  - (iv) identify and execute measures to minimise the emissions/malfunction and the effects thereof;
  - (v) identify the date, time and place of the incident;
  - (vi) provide a proposal to the Agency for its agreement within one month of the incident occurring or as otherwise agreed with the Agency to:-
    - identify and put in place measures to avoid reoccurrence of the incident; and
    - identify and put in place any other appropriate remedial action?
- 9.4 Emergencies
- 9.4.1 In the event of a complete breakdown of equipment or any other occurrence which results in the closure of the transfer station building, any waste arriving at or already collected at the facility shall be transferred directly to appropriate landfill sites or any other appropriate facility until such time as the transfer station building is returned to a fully operational status. Such a breakdown event will be treated as an emergency and rectified as soon as possible.
- 9.4.2 All significant spillages occurring at the facility shall be treated as an emergency and immediately cleaned up and dealt with so as to alleviate their effects.
- 9.4.3 No waste shall be burned within the boundaries of the facility. A fire at the facility shall be treated as an emergency and immediate action shall be taken to extinguish it and notify the appropriate authorities.

**Reason:** To provide for the protection of the environment.

## Condition 10. Closure & Decommissioning Management



- 10.1 Following termination, or planned cessation for a period greater than six months, of use or involvement of all or part of the site in the licensed activity, the licensee shall, to the satisfaction of the Agency, decommission, render safe or remove for disposal/recovery, any soil, subsoils, buildings, plant or equipment, or any waste, materials or substances or other matter contained therein or thereon, that may result in environmental pollution.
- 10.2 Residuals Management Plan:
- 10.2.1 The licensee shall prepare, to the satisfaction of the Agency, a fully detailed and costed plan for the decommissioning or closure of the site or part thereof. This plan shall be submitted to the Agency for agreement within six months of the date of grant of this licence.
- 10.2.2 The plan shall be reviewed annually and proposed amendments thereto notified to the Agency for agreement as part of the AER. No amendments may be implemented without the agreement of the Agency.
- 10.3 The Residuals Management Plan shall include as a minimum, the following:-
- 10.3.1 A scope statement for the plan.
- 10.3.2 The criteria which define the successful decommissioning of the activity or part thereof, which ensures minimum impact on the environment.
- 10.3.3 A programme to achieve the stated criteria.
- 10.3.4 Where relevant, a test programme to demonstrate the successful implementation of the decommissioning plan.
- 10.3.5 Details of costings for the plan and a statement as to how these costs will be underwritten.
- 10.4 A final validation report to include a certificate of completion for the residuals management plan, for all or part of the site as necessary, shall be submitted to the Agency within three months of execution of the plan. The licensee shall carry out such tests, investigations or submit certification, as requested by the Agency, to confirm that there is no continuing **risk** to the environment.

**Reason:** *To make provision for the proper closure of the activity ensuring protection of the environment.*

## Condition 11. Notifications, Records and Reports

- 11.1 The licensee shall notify the Agency, in writing, one month prior to the intended date of commencement of the Scheduled Activity.
- 11.2 The licensee shall notify the Agency by both telephone and either facsimile or electronic mail, if available, to the Agency's Headquarters in Wexford, or to such other Agency office as may be specified by the Agency, as soon as practicable after the occurrence of any of the following:
- (i) Any release of environmental significance to atmosphere from any potential emission point including bypasses.
- (ii) Any emission which does not comply with the requirements of this licence.
- (iii) Any malfunction or breakdown of key control equipment or monitoring equipment set out in *Schedule C: Control & Monitoring* which is likely to lead to loss of control of the abatement system.

- (iv) Any incident with the potential for environmental contamination of surface water or groundwater, or posing an environmental threat to air or land, or requiring an emergency response by the Local Authority.

The licensee shall include as part of the notification, date and time of the incident, summary details of the occurrence, and where available, the steps taken to minimise any emissions.

- 11.3 In the event of any incident which relates to discharges to sewer, having taken place, the licensee shall notify the Local and Sanitary Authority as soon as practicable, after such an incident.
- 11.4 The licensee shall make a record of any incident. This record shall include details of the nature, extent, and impact of, and circumstances giving rise to, the incident. The record shall include all corrective actions taken to manage the incident, minimise wastes generated and the effect on the environment, and avoid recurrence. The licensee shall as soon as practicable following incident notification, submit to the Agency the incident record.
- 11.5 The licensee shall record all complaints of an environmental nature related to the operation of the activity. Each such record shall give details of the date and time of the complaint, the name of the complainant and give details of the nature of the complaint. A record shall also be kept of the response made in the case of each complaint.
- 11.6 The licensee shall record all sampling, analyses, measurements, examinations, calibrations and maintenance carried out in accordance with the requirements of this licence and all other such monitoring which relates to the environmental performance of the facility.
- 11.7 The licensee shall as a minimum keep the following documents at the site:-
  - (i) the licences relating to the facility;
  - (ii) the current EMS for the facility;
  - (iii) the previous year's AER for the facility;
  - (iv) records of all sampling, analyses, measurements, examinations, calibrations and maintenance carried out in accordance with the requirements of this licence and all other such monitoring which relates to the environmental performance of the facility;
  - (v) relevant correspondence with the Agency;
  - (vi) an up to date site drawings/plans showing the location of key process and environmental infrastructure, including monitoring locations and emission points

and this documentation shall be available to the Agency for inspection at all reasonable times.

- 11.8 The licensee shall submit to the Agency, by the 31<sup>st</sup> March of each year, an AER covering the previous calendar year. This report, which shall be to the satisfaction of the Agency, shall include as a minimum the information specified in *Schedule D* and shall be prepared in accordance with any relevant guidelines issued by the Agency.
- 11.9 The licensee shall as part of the AER submit a report on the contribution by the facility to the achievement of recovery targets stated in national and European Union waste policies and shall include the following:
  - (i) Proposals for the contribution of the facility to the achievement of targets for the reduction of biodegradable waste to landfill as specified in the Landfill Directive;
  - (ii) The separation of recyclable materials from the waste;

- (iii) The recovery of Construction and Demolition Waste;
- (iv) The recovery of metal waste and white goods.
- 11.10 A full record, which shall be open to inspection by authorised persons of the Agency at all times, shall be kept by the licensee on matters relating to the waste management operations and practices at this site. This record shall be maintained on a monthly basis and shall as a minimum contain details of the following:
- (i) The tonnages and EWC Code for the waste materials imported on-site and sent off-site for disposal/recovery.
- (ii) The names of the agent and carrier of the waste, and their waste collection permit details, if required (to include issuing authority and vehicle registration number).
- (iii) Details of the ultimate disposal/recovery destination facility for the waste and its appropriateness to accept the consigned waste stream, to include its permit/licence details and issuing authority, if required.
- (iv) Written confirmation of the acceptance and disposal/recovery of any hazardous waste consignments sent off-site.
- (v) Details of all wastes consigned abroad for Recovery and classified as 'Green' in accordance with the EU Transfrontier Shipment of Waste Regulations (Council Regulation EEC No. 259/1993, as amended). The rationale for the classification must form part of the record.
- (vi) Details of any rejected consignments.
- (vii) Details of any approved waste mixing.
- (viii) The results of any waste analyses required under *Schedule C*.
- (ix) The tonnages and EWC Code for the waste materials recovered/disposed on-site.
- 11.11 A record shall be kept of each consignment of trade effluent, leachate and/or contaminated storm water removed from the facility. The record shall include the following:
- (i) The name of the carrier;
- (ii) The date and time of removal of trade effluent, leachate and/or contaminated storm water from the facility;
- (iii) The volume of trade effluent, leachate and/or contaminated storm water, in cubic metres, removed from the facility on each occasion;
- (iv) The name and address of the Waste Water Treatment Plant to which the trade effluent, leachate and/or contaminated storm water was transported; and
- (v) Any incidents or spillages of trade effluent, leachate and/or contaminated storm water during its removal or transportation.
- 11.12 A full record, which shall be open to inspection by authorised persons of the Agency at all times, shall be kept by the licensee at the facility of the programme for the control and eradication of vermin and fly infestations at the facility. This record shall include as a minimum the following:
- (i) The date and time during which spraying of insecticide is carried out;
- (ii) Contractor details;
- (iii) Contractor logs and site inspection reports;
- (iv) Details of the rodenticide(s) and insecticide(s) used;
- (v) Operator training details;

- (vi) Details of any infestations;
- (vii) Mode, frequency, location and quantity of application; and
- (viii) Measures to contain sprays within the facility boundary.

*Reason: To provide for the collection and reporting of adequate information on the activity.*

## Condition.12. Financial Charges and Provisions

### 12.1 Agency Charges

12.1.1 The licensee shall pay to the Agency an annual contribution of €9,748, or such sum as the Agency from time to time determines, having regard to variations in the extent of reporting, auditing, inspection, sampling and analysis or other functions carried out by the Agency, towards the cost of monitoring the activity as the Agency considers necessary for the performance of its functions under the Waste Management Acts 1996 to 2003. The first payment shall be a pro-rata amount for the period from the date of this licence (date of commencement of enforcement) to the 31st day of December, and shall be paid to the Agency within one month from the date of the licence. In subsequent years the licensee shall pay to the Agency such revised annual contribution as the Agency shall from time to time consider necessary to enable performance by the Agency of its relevant functions under the Waste Management Acts 1996 to 2003, and all such payments shall be made within one month of the date upon which demanded by the Agency.

12.1.2 In the event that the frequency or extent of monitoring or other functions carried out by the Agency needs to be increased the licensee shall contribute such sums as determined by the Agency to defraying its costs in regard to items not covered by the said annual contribution.

### 12.2 Sanitary Authority Charges

12.2.1 The licensee shall pay to the Sanitary Authority such sum as may be determined from time to time, having regard to the variations in the cost of providing drainage and the variation in effluent reception and treatment costs. Payment to be made quarterly on demand.

12.2.2 The licensee shall pay an annual charge of €1,800 to the Sanitary Authority towards the cost of monitoring the trade effluent. This amount will be revised from time to time. Payment to be made on demand.

### 12.3 Environmental Liabilities

12.3.1 The licensee shall as part of the AER provide an annual statement as to the measures taken or adopted at the site in relation to the prevention of environmental damage, and the measures in place in relation to the underwriting of costs for remedial actions following anticipated events (including closure) or accidents/incidents, as may be associated with the carrying on of the activity.

*Reason: To provide for adequate financing for monitoring and financial provisions for measures to protect the environment and to provide for the requirements of the Sanitary Authority in accordance with Section 52 of the Waste Management Acts 1996 to 2003.*

## SCHEDULE A: Limitations

### A.I Authorised waste processes

The following waste related processes are authorised:

- i. Baling and repackaging processes
- ii. C & D waste recovery (screening and sorting only)
- iii. Storage of hazardous and non-hazardous waste
- iv. Recovery of dry recyclables
- v. Wood shredding
- vi. Processing of road sweepings

No addition to these processes are permitted unless agreed in advance with the Agency.

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WASTE TYPE	MAXIMUM (TONNES PER ANNUM)
Household	180,000
Commercial	40,000
Industrial	19,000
Industrial sludges	1,000
Construction & Demolition	80,000
Hazardous [including healthcare waste]	30,000 [10,000]
<b>TOTAL</b>	<b>350,000</b>

Agency and the total amount of waste must be within that specified.

Note 2: The individual limitation on waste streams may be varied with the agreement of the Agency subject to the overall total limit staying the same. Other compatible waste streams can be accepted subject to advance written agreement of the Agency and subject to the overall tonnage limit.

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## SCHEDULE B: Emission Limits

### B.1 Emission to Sewer

Emission Point Reference No.: SE-1

Volume to be emitted: Maximum in any one day: 15 m<sup>3</sup>  
 Maximum rate per hour: 5 m<sup>3</sup>

Parameter	Emission Limit Value		
Temperature	42°C (max.)		
pH	6-10		
	Grab sample mg/l	Daily mean concentration mg/l	Daily mean loading kg/day
BOD	1000	800	12.0
COD	3000	2400	36.0
Suspended Solids	1000	800	12.0
Sulphates (as SO <sub>4</sub> )	1000	1000	15.0
Oils, fats and greases	100	100	1.5
Mineral oils	10	10	0.015
Detergents	100	100	1.5
Zinc	5	5	0.075
Copper	5	5	0.075

### B.2 Noise Emissions

Daytime dB(A) L <sub>Aeq</sub> (30 minutes)	Night-time dB(A) L <sub>Aeq</sub> (30 minutes)
55 <sup>Note 1</sup>	45 <sup>Note 1</sup>

Note 1: There shall be no clearly audible tonal component or impulsive component in the noise emission from the activity at any noise sensitive location.

### B.3 Dust Deposition Limits

Location: D1, D2, D3, D4

Level (mg/m <sup>2</sup> /day) <sup>Note 1</sup>
350

Note 1: 30 day composite sample

## SCHEDULE C: Control & Monitoring

### C.1 Monitoring of Surface Water Run-off

Emission Point Reference No.: SW-1

Parameter	Monitoring Frequency	Analysis Method/Technique
Visual Inspection	Daily	Sample and examine for colour and odour
Temperature	Quarterly	Thermometer
pH	Quarterly	pH electrode/meter
Conductivity	Daily	Conductivity meter
BOD	Annually	Standard Method
COD	Quarterly	Standard Method
Suspended Solids	Quarterly	Standard Method
Total Ammonia	Quarterly	Standard Method
Mineral oils	Quarterly	Standard Method

### C.2 Monitoring of Emissions to Sewer

Emission Point Reference No.: SE-1

Parameter	Monitoring Frequency	Analysis Method/Technique
Flow	Quarterly	On-line flow meter with recorder
Temperature	Monthly	On-line temperature probe with recorder
pH	Monthly <sup>Note 1</sup>	pH electrode/meter and recorder
Biochemical Oxygen Demand	Monthly <sup>Note 1</sup>	Standard Method
Chemical Oxygen Demand	Monthly <sup>Note 1</sup>	Standard Method
Suspended Solids	Monthly <sup>Note 1</sup>	Standard Method
Sulphates (as SO <sub>4</sub> )	Monthly <sup>Note 1</sup>	Standard Method
Oils, fats and greases	Monthly <sup>Note 1</sup>	Standard Method
Mineral oils	Monthly	Standard Method
Detergents	Monthly <sup>Note 1</sup>	Standard Method
Zinc	Monthly <sup>Note 1</sup>	Standard Method
Copper	Monthly <sup>Note 1</sup>	Standard Method

**note 1:** The licensee shall install a composite sampler within two months of date of grant of this licence. All samples thereafter shall be collected on a 24 hour flow proportional composite sampling basis.

**c.3 Noise Monitoring**

There is no additional noise monitoring required in this schedule.

**C.4 Ambient Monitoring**

Location: D1, D2, D3, D4

Parameter	Monitoring Frequency	Analysis Method/Technique
Dust deposition (directional)	Biannual <sup>Note 1</sup>	Standard Method <sup>Note 2</sup>

Note 1 At least once during the period May to September

Note 2 Standard Method VDI2119 (Measurement of Dustfall, Determination of Dustfall using Bergerhoff Instrument (Standard method) German Engineering Institute)

**SCHEDULED: Specified Engineering Works****Specified Engineering Works**

- Installation of dust/odour system in all waste processing buildings.
- Installation of negative air pressure system in all waste processing buildings.
- Installation of waste handling, processing, recycling/recovery infrastructure in all waste processing buildings.
- Installation of Waste Quarantine Areas in all waste processing buildings.
- Installation of acoustic screening in C&D and wood screening areas.
- Any other works notified in writing by the Agency.



# SCHEDULE E: Annual Environmental Report

Annual Environmental Report Content <sup>Note 1</sup>
Emissions from the facility.
Waste management record.
Quantity and composition of waste recovered, received and disposed of during the reporting period.
Full title and written summary of any procedures developed by the licensee in the year which relates to the facility operation.
Review of nuisance controls.
Resource consumption summary.
Complaints summary.
Schedule of Environmental Objectives and Targets
Environmental management programme – report for previous year
Environmental management programme – proposal for current year
Pollution emission register – report for previous year
Pollution emission register – proposal for current year
Noise monitoring report summary
Ambient monitoring summary
Tank and pipeline testing and inspection report
Reported incidents summary
Energy efficiency audit report summary
Development / Infrastructural works summary (completed in previous year or prepared for current year).
Reports on financial provision made under this licence, management and staffing structure of the facility, and a programme for public information
Closure & Decommissioning Management Plan
Any other items specified by the Agency.

**Note 1:** Content may be revised subject to the agreement of the Agency

**Signed on behalf of the said Agency**  
on the **xx** day of **xxxxxx**, 2005

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**xxxxxxx,**

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**Authorised Person**