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Ireland

**WASTE LICENCE**  
**Recommended Decision**

<b>Licence Register Number:</b>	W0228-01
<b>Applicant/Licensee:</b>	South Dublin County Council
<b>Location of Facility:</b>	Esker Lane, Lucan, County Dublin

## ***INTRODUCTION***

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

South Dublin County Council currently operates a Green Waste facility at Esker Lane, Lucan, Co. Dublin under a certificate of registration from the EPA (Reg. No. R621), with the total tonnage accepted restricted to 5,000 tonnes per annum. This licence will allow the Esker Lane facility to accept up to 20,000 tonnes per annum of Green Waste. This waste will be temporarily stored before being sent offsite in consignments to a completely separate shredding and composting facility. Apart from acceptance and temporary storage of waste no other waste activities are permitted by this licence. The facility will consist of a waste acceptance area, a temporary storage area, office and storage building and weighbridge. Plant used on-site will consist of loaders used to move green waste around the site and load consignments of waste.

The licence sets out in detail the conditions under which South Dublin County Council will operate and manage this facility.

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## *Glossary of Terms*

All terms in this licence should be interpreted in accordance with the definitions in the Environmental Protection Agency Acts 1992 and 2003 / Waste Management Acts 1996 to 2005, 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 conforming to EWC Code 20 02 01.
<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>(i) an emergency;</li><li>(ii) any emission which does not comply with the requirements of this licence;</li><li>(iii) any exceedence of the daily duty capacity of the waste handling equipment;</li><li>(iv) any trigger level specified in this licence which is attained or exceeded; and,</li><li>(v) 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 2005.

<b>IPPC</b>	Integrated Pollution Prevention & Control.
<b>K</b>	Kelvin.
<b>kPa</b>	Kilo Pascals.
<b>Landfill Directive</b>	Council Directive 1999/31/EC.
<b>Leq</b>	Equivalent continuous sound level.
<b>Licensee</b>	South Dublin County Council, County Hall, Tallaght, Dublin 24.
<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 light liquids, (e.g. oil and petrol)-Part 2:Selection of nominal size, installation, operation and maintenance.
<b>PRTR</b>	Pollutant Release and Transfer Register
<b>Quarterly</b>	All or part of a period of three consecutive months beginning on the first day of January, April, July or October.
<b>Regional Fisheries Board</b>	Eastern Regional Fisheries Board.
<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>Specified Emissions</b>	Those emissions listed in <i>Schedule B: Emission Limits</i> of this licence.
<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***

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 2005.

In reaching this decision the Environmental Protection Agency has considered the application and supporting documentation received from the applicant, the submission received 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 2005, the Environmental Protection Agency (the Agency) proposes, under Section 40(1) of the said Act to grant this Waste Licence to South Dublin County Council, County Hall, Town Centre, Tallaght, Dublin 24 to carry on the waste activity listed below at Esker Lane, Lucan, Co. Dublin subject to conditions, with the reasons therefor and the associated schedules attached thereto set out in the licence.

#### ***Licensed Waste Recovery Activities, in accordance with the Fourth Schedule of the Waste Management Acts 1996 to 2005***

<b>Class 13.</b>	<b>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.</b>
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### ***Part II Schedule of Activities Refused***

*None of the proposed activities as set out in the licence application have been refused.*



## **Part III Conditions**

### **Condition 1. Scope**

- 1.1 Waste activities at this facility shall be restricted to that listed and described in Part I Activities Licensed, and shall be as set out in the licence application or as modified under Condition 1.5 of this licence and subject to the conditions of this licence.
- 1.2 Activities at this facility shall be limited as set out in *Schedule A: Limitations*, of this licence.
- 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 authorised by this licence, is the area of land outlined in red on **Drawing No. 25088-002** of the application. Any reference in this licence to "facility" shall mean the area thus outlined in red. The licensed activity 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
- (i) 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
  - (ii) 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 2005 only and nothing in this licence shall be construed as negating the licensee's statutory obligations or requirements under any other enactments or regulations.
- 1.7 **This licence has been granted in substitution for the Certificate of Registration (Reg. No. R621) granted to the licensee by the Agency on 8/2/2000. The certificate of registration ceases to have effect on the date of grant of this licence.**
- 1.8 Waste Acceptance Hours and Hours of Operation
- 1.8.1 **With the exception of emergencies or as may be agreed with the Agency, waste shall be accepted at or despatched from the facility only between the hours of:**
- (i) **0830 to 1730 Monday to Friday and 0830 to 1600 on Saturdays in summertime.**
  - (ii) **0830 to 1600 Monday to Friday and 0830 to 1430 on Saturdays in wintertime.**
- 1.8.2 **The facility shall, unless otherwise agreed with the Agency, be operated only during the hours of:**
- (i) **0800 to 1830 Monday to Friday and 0830 to 1700 on Saturdays in summertime**

- (ii) 0800 to 1630 Monday to Friday and 0830 to 1530 on Saturdays in wintertime.

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 by the Agency.

### 2.2 Environmental Management System (EMS)

2.2.1 The licensee shall establish and maintain an Environmental Management System (EMS) within six months of the date of grant of this licence. 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 and maintain** 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:

- (i) designation of responsibility for targets;
- (ii) the means by which they may be achieved;

- (iii) 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 Public Awareness and 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.

#### 2.2.2.8 Maintenance Programme

The licensee shall **establish and maintain** a programme for maintenance of all plant and equipment based on the instructions issued by the manufacturer/supplier or installer of the equipment. Appropriate record keeping and diagnostic testing shall support this maintenance programme. The licensee shall clearly allocate responsibility for the planning, management and execution of all aspects of this programme to appropriate personnel (see Condition 2.1 above).

#### 2.2.2.9 Efficient Process Control

The licensee shall **establish and maintain** a programme to ensure there is adequate control of processes under all modes of operation. The programme shall identify the key indicator parameters for process control performance, as well as identifying methods for measuring and controlling these parameters. Abnormal process operating conditions shall be documented, and analysed to identify any necessary corrective action.

*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 **within six months of the date of grant of the licence** or as required by the conditions of this licence.
- 3.2 Facility Notice Board
- 3.2.1 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.
- 3.2.2 The board shall clearly show:-
- (i) the name and telephone number of the facility;
  - (ii) the normal hours of opening and operation;
  - (iii) the name of the licence holder;
  - (iv) an emergency out of hours contact telephone number;
  - (v) the licence reference number; and
  - (vi) where environmental information relating to the facility can be obtained.
- 3.2.3 A plan of the facility clearly identifying the location of each storage area shall be displayed as close as is possible to the entrance to the facility. The plan shall be displayed on a durable material such that it is legible at all times. The plan shall be replaced as material changes to the facility are made.
- 3.3 Facility Security
- 3.3.1 Security and stockproof fencing and gates shall be installed and maintained. The base of the fencing shall be set in the ground. Subject to the implementation of the restoration and aftercare plan and to the agreement of the Agency, the requirement for such site security may be removed.
- 3.3.2 The licensee shall install a CCTV system which record all truck movement into and out of the facility, the CCTV system shall be operated at all times and copies of recording kept on site and made available to the Agency on request.
- 3.3.3 Gates shall be locked shut when the facility is unsupervised.

- 3.3.4 The licensee shall remedy any defect in the gates and/or fencing as follows:
- (i) A temporary repair shall be made by the end of the working day; and
  - (ii) A repair to the standard of the original gates and/or fencing shall be undertaken within three working days.
- 3.4 Facility Roads and Site Surfaces
- 3.4.1 Effective site roads shall be provided and maintained to ensure the safe and nuisance free movement of vehicles within the facility.
- 3.1.1 The licensee shall provide, and maintain an impermeable concrete surface in the areas of the facility shown on **Drawing No 25088**. The surfaces shall be concreted and constructed to British Standard 8110 or an alternative as agreed by the Agency. The licensee shall remedy any defect in concrete surfaces within five working days.
- 3.5 Facility Office
- 3.5.1 The licensee shall provide and maintain an office at the facility. The office shall be maintained in a manner suitable for the processing and storing of documentation.
- 3.5.2 The licensee shall provide and maintain a working telephone and a method for electronic transfer of information at the facility.
- 3.6 Waste Inspection and Quarantine Areas
- 3.6.1 A Waste Inspection Area and a Waste Quarantine Area shall be provided and maintained at the facility.
- 3.6.2 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.
- 3.6.3 **Drainage from these areas shall be directed to the oil interceptor and grit trap as shown on Drawing No. 25088.**
- 3.7 Weighbridge
- The licensee shall provide and maintain a weighbridge at the facility.
- 3.8 Waste handling and processing plant
- 3.8.1 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:
- (i) 100% duty capacity;
  - (ii) 20% standby capacity available on a routine basis; and
  - (iii) Provision of contingency arrangements and/or backup and spares in the case of breakdown of critical equipment.
- 3.8.2 In advance, of the commencement of waste activities << OR >> 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: Limitations*, of this licence.

- 3.8.3 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.
- 3.9 The licensee shall install on all emission points such sampling points or equipment, including any data-logging or other electronic communication equipment, as may be required by the Agency. All such equipment shall be consistent with the safe operation of all sampling and monitoring systems.
- 3.10 In the case of composite sampling of aqueous emissions from the operation of the Facility a separate composite sample or homogeneous sub-sample (of sufficient volume as advised) should be refrigerated immediately after collection and retained as required for EPA use.
- 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, Container and Drum Storage Areas
- 3.12.1 All tank, container and drum storage areas shall be rendered impervious to the materials stored therein. Bunds should be designed having regard to Agency guidelines 'Storage and Transfer of Materials for Scheduled Activities' (2004).
- 3.12.2 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.
- 3.12.3 All drainage from bunded areas shall be treated as hazardous waste unless it can be demonstrated to be otherwise. All drainage from bunded areas shall be diverted for collection and safe disposal.
- 3.12.4 All inlets, outlets, vent pipes, valves and gauges must be within the bunded area.
- 3.12.5 **Double-skinned tanks not in excess of 1m<sup>3</sup> capacity may be located outside the bunded area if located within an area of hardstanding, which drains to an oil separator and grit trap.**
- 3.13 The licensee shall have in storage an adequate supply of containment booms and/or suitable absorbent material to contain and absorb any spillage at the facility. Once used the absorbent material shall be disposed of at an appropriate facility.
- 3.14 Silt Traps and Oil Separators
- The licensee shall install and maintain silt traps and oil separator at the facility to ensure that all storm water discharges from the facility pass through a silt trap and oil separator in advance, of discharge. The separator shall be a **Class II** 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).

- 3.15 Within six months of the date of grant of this licence, the licensee shall install and provide adequate measures for the control of odours and dust emissions, including fugitive dust emissions, from the facility.
- 3.16 The licensee shall provide and use adequate lighting during the operation of the facility in hours of darkness.
- 3.17 The licensee shall, within three months of the date of grant of this licence, install in a prominent location on the site a wind sock, or other wind direction indicator, which shall be visible from the public roadway outside the site.
- 3.18 All pump sumps, storage tanks, lagoons or other treatment plant chambers from which spillage of environmentally significant materials might occur in such quantities as are likely to breach local or remote containment or separator, shall be fitted with high liquid level alarms (or oil detectors as appropriate) within six months from the date of grant of this licence. **In particular the fuels storage tank should have a high level alarm.**
- 3.19 The licensee shall, within three months of the date of grant of this licence, install in a prominent location on the site a wind sock, or other wind 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/waters in this licence shall be interpreted in the following way:-
- 4.1.1 Continuous monitoring:
- (i) No flow value shall exceed the specified limit.
  - (ii) No pH value shall deviate from the specified range.
  - (iii) No temperature value shall exceed the limit value.
- 4.1.2 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.
- 4.1.3 Discrete Sampling
- For parameters other than pH and temperature, no grab sample value shall exceed 1.2 times the emission limit value.
- 4.2 Where the ability to measure a parameter is affected by mixing before emission, then, with agreement from the Agency, the parameter may be assessed before mixing takes place.

## 4.3 Noise

Noise from the facility shall not give rise to sound pressure levels (Leq,T) measured at **noise sensitive locations** of the facility which exceed the limit value(s).

## 4.4 Dust and Particulate Matter

Dust from the activity shall not give rise to deposition levels 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 Unless otherwise agreed by the Agency, no trade effluent, leachate and/or contaminated storm water shall be discharged to surface water drains and surface water courses.

5.3 There shall be no direct emissions to groundwater.

5.4 No emissions, including odours, from the activities carried on at the site shall result in an impairment of, or an interference with amenities or the environment beyond the facility boundary or any other legitimate uses of the environment beyond the facility boundary.

5.5 No substance shall be discharged in a manner, or at a concentration that, following initial dilution, causes tainting of fish or shellfish.

5.6 The licensee shall ensure that all or any of the following:—

- vermin
- birds
- flies
- mud
- dust
- litter,

associated with the activity do not result in an impairment of, or an interference with amenities or the environment at the facility or beyond the facility boundary or any other legitimate uses of the environment beyond the facility boundary. Any method used by the licensee to control or prevent any such impairment/interference shall not cause environmental pollution.

5.7 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, penstocks and sewer fittings or general integrity of the sewer.

5.8 No emission to the 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.



- 5.9 Non-trade effluent wastewater (e.g. firewater, accidental spillages) which occur on the site shall not be discharged to the sewer without the prior authorisation of South Dublin County Council.
- 5.10 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 injurious to the construction of the sewer or would interfere with the operations of the Ringsend Wastewater Treatment Plant.
- 5.11 The licensee shall ensure that the effluent shall not contain petroleum hydrocarbons or organic solvents (including chlorinated organic solvents) which would give rise to flammable or explosive vapours in the sewer.
- 5.12 Materials classified as 'Hazardous Waste' under the Waste Management Act, 1996, shall not be discharged to foul sewer.
- 5.13 Trade effluent shall be screened prior to discharge to remove gross solids to avoid blockages.

*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 2005.*

## Condition 6. Control and Monitoring

### 6.1 Litter Control

- 6.1.1 The measures and infrastructure as described in the Licence Application Attachment E shall be applied to control litter at the facility. This attachment (and any agreed amendments thereto) shall be maintained on site as part of the EMS documentation.
- 6.1.2 All loose litter or other waste, placed on or in the vicinity of the facility, other than in accordance with the requirements of this licence, shall be removed, subject to the agreement of the landowners, immediately and in any event by 10.00am of the next working day after such waste is discovered.
- 6.1.3 The licensee shall ensure that all vehicles delivering waste to and removing waste and materials from the facility are appropriately covered.

### 6.2 Dust/Odour Control

- 6.2.1 All green waste for consignment stored overnight at the facility, shall be stored in a suitable manner so as to minimise any potential dust /odours.
- 6.2.2 All waste held on-site shall be stored in suitably covered and enclosed containers and removed from the facility within forty eight hours of its arrival on site. This period shall be extended to seventy-two hours of its arrival on site at public holidays.
- 6.2.3 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 Operational Controls

**6.3.1 The concrete slab as shown on Drawing No. 25088 of the licence application shall be cleaned on a weekly basis. The floor of the storage bays for recovered wastes shall be washed down and cleaned on each occasion such bays are emptied, or as a minimum on a weekly basis.**

6.3.2 Scavenging shall not be permitted at the facility.

6.3.3 All tanks and drums shall be labelled to clearly indicate their contents.

### 6.4 Monitoring Locations

Within three months of the date of grant of this licence, the licensee shall submit to the Agency an appropriately scaled drawing(s) showing all the monitoring locations that are stipulated in this licence including any noise-sensitive locations to be monitored. The drawing shall include the eight-digit national grid reference of each monitoring point.

### 6.5 Nuisance Monitoring

The licensee shall, at a minimum of one week intervals, inspect the facility and its immediate surrounds for nuisances caused by litter, vermin, birds, flies, mud, dust and odours. The licensee shall maintain a record of all nuisance inspections.

6.6 Sampling and analysis of all pollutants as well as reference measurement methods to calibrate automated measurement systems shall be carried out in accordance with CEN-standards. If CEN standards are not available, ISO, national or international standards which will ensure the provision of data of an equivalent scientific quality shall apply.

6.7 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. Agreement for the use of alternative equipment, other than in emergency situations, shall be obtained from the Agency.

6.8 Monitoring and analysis equipment shall be operated and maintained as necessary so that monitoring accurately reflects the emission or discharge.

6.9 All treatment/abatement and emission control equipment shall be calibrated and maintained, in accordance with the instructions issued by the manufacturer/supplier or installer.

6.10 The licensee shall carry out such sampling, analyses, measurements, examinations, maintenance and calibrations as set out below and as in accordance with Schedule C of this licence:

6.10.1 Analysis shall be undertaken by competent staff in accordance with documented operating procedures.

6.10.2 Such procedures shall be assessed for their suitability for the test matrix and performance characteristics determined.

6.10.3 Such procedures shall be subject to a programme of Analytical Quality Control using control standards with evaluation of test responses.

6.10.4 Where analysis is sub-contracted it shall be to a competent laboratory.

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 The licensee shall prepare a programme, to the satisfaction of the Agency, for the identification and reduction of fugitive emissions using an appropriate combination of best available techniques. This programme shall be included in the Environmental Management Programme.
- 6.13 The integrity and water tightness of all underground pipes, tanks, bunding structures and containers and their resistance to penetration by water or other materials carried or stored therein shall be tested and demonstrated by the licensee. This testing shall be carried out by the licensee at least once every three years thereafter and reported to the Agency on each occasion. This testing shall be carried out in accordance with any guidance published by the Agency. A written record of all integrity tests and any maintenance or remedial work arising from them shall be maintained by the licensee.
- 6.14 The drainage system, bunds, 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.
- 6.15 Storm water
- A visual examination of the storm water discharge shall be carried out daily. A log of such inspections shall be maintained.
- 6.16 Noise
- 6.16.1 The licensee shall carry out a noise survey of the site operations annually. The survey programme shall be undertaken in accordance with the methodology specified in the 'Environmental Noise Survey Guidance Document' as published by the Agency.
- 6.17 The licensee shall, within six months of the date of grant of this licence, develop and establish a Data Management System for collation, archiving, assessing and graphically presenting the environmental monitoring data generated as a result of this licence.
- 6.18 Pollutant Release and Transfer Register (PRTR)
- The licensee shall prepare and report a PRTR for the site (**where relevant**). The substances and/or waste to be included in the PRTR shall be agreed by the Agency each year by reference to EC Regulation No.166/2006 concerning the establishment of the European Pollutant Release and Transfer Register and amending Council Directives 91/689/EEC and 96/61/EC. The PRTR shall be prepared in accordance with any relevant guidelines issued by the Agency and shall be submitted electronically in specified format and as part of the AER.
- 6.19 The licensee shall permit authorised persons, of the Agency and 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.
- 6.20 There shall be no unauthorised public access to the facility.

*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 2005.*

## 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 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 on-site 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 that 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 in advance, of 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 The loading and unloading of materials shall be carried out in designated areas protected against spillage and leachate run – off.
- 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 Waste for disposal/recovery off-site shall be analysed in accordance with *Schedule C: Control & Monitoring* of this licence.

- 8.8 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.
- 8.9 All waste **acceptance and handling activities** shall be carried out on the concrete slab portion of the site, as shown on **Drawing No 25088** of the licence application.
- 8.10 Waste Acceptance and Characterisation Procedures
- 8.10.1 Waste shall only be accepted at the facility, from Local Authority waste collection or transport vehicles or holders of waste permits, unless exempted or excluded, issued under the Waste Management Acts 1996 to 2005. Copies of these waste collection permits must be maintained at the facility.
- 8.10.2 Waste Acceptance Procedures shall be carried out in accordance with the procedures as outlined in Section A.10.2 of the licence application. Within six months of the date of grant of this licence, the licensee establish and maintain detailed written procedures for the acceptance and handling of wastes.
- 8.10.3 Waste arriving at the facility shall be inspected at the point of entry to the facility and subject to this inspection, documented and directed to **the public green waste deposit area as detailed in Drawing No 25088 of the licence application.**
- 8.10.4 Any waste deemed unsuitable for processing at the facility and/or in contravention of this licence shall not be **accepted at the facility. In the event that any waste deemed unsuitable for processing at the facility and/or in contravention of this licence is discovered on-site it shall be** immediately separated and removed from the facility at the earliest possible time. Temporary storage of such wastes shall be in a designated 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 condition.
- 8.11 **Each consignment of waste leaving the facility shall be weighed and documented before being allowed to leave the facility accompanied by the appropriate documentation.**

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

## **Condition 9. Accident Prevention and Emergency Response**

- 9.1. Emergencies
- 9.1.1. In the event of a breakdown of equipment or any other occurrence which results in the closure of the **green waste facility**, 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 **green waste facility** is returned to a fully operational status. Such a breakdown event will be treated as an emergency and rectified as soon as possible.
- 9.1.2. 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.

- 9.1.3. No waste shall be burnt 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.
- 9.2. The licensee shall, within six months of date of grant of this licence, ensure that a documented Accident Prevention Procedure 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.
- 9.3. The licensee shall, within six months of date of grant of this licence, 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.
- 9.4. Incidents
- 9.4.1. In the event of an incident the licensee shall immediately:-
- (ii) carry out an investigation to identify the nature, source and cause of the incident and any emission arising therefrom;
  - (iii) isolate the source of any such emission;
  - (iv) evaluate the environmental pollution, if any, caused by the incident;
  - (v) identify and execute measures to minimise the emissions/malfunction and the effects thereof;
  - (vi) identify the date, time and place of the incident;
  - (vii) notify the Agency and other relevant authorities.
- 9.4.2. The licensee shall provide a proposal to the Agency for its agreement within one month of the incident occurring or as otherwise agreed by the Agency to:-
- (i) identify and put in place measures to avoid reoccurrence of the incident; and
  - (ii) identify and put in place any other appropriate remedial action.

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

## **Condition 10. Decommissioning and Closure**

- 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. The licensee shall carry out such tests, investigation or submit certification, as requested by the Agency, to confirm that there is no 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 by both telephone and facsimile, 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.

11.2 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.

11.3 In the case of any incident which relates to discharges to water, the licensee shall notify the Local Authority and the Eastern Regional Fisheries Board 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) up to date site drawings/plans showing the location of key process and environmental infrastructure, including monitoring locations and emission points, and any plans referenced in this licence;
- (vii) up to date Standard Operational Procedures for all processes, plant and equipment necessary to give effect to this licence or otherwise to ensure that standard operation of such processes, plant or equipment does not result in unauthorised emissions to the environment;
- (viii) **Any elements of the licence application documentation referenced in this licence.**

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: Annual Environmental Report* of this licence and shall be prepared in accordance with any relevant guidelines issued by the Agency.

11.9 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 and/or 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: Control & Monitoring*, of this licence.
- (ix) The tonnages and EWC Code for the waste materials recovered/disposed on-site.

#### 11.10 Waste Recovery Reports

The licensee shall as part of the EMP submit a report on the contribution by this facility to the achievement of the recovery targets stated in national and European Union waste policies and shall in **particular** include **details** of the contribution of the facility to the achievement of targets for the reduction of biodegradable waste to landfill as specified in the Landfill Directive.



- 11.11 A report of the results of analysis of effluent discharged to the sewer with relevant volumes discharged shall be forwarded to the sanitary authority on a quarterly basis to enable the calculation of charges under the Modgen Formula.
- 11.12 The licensee shall submit report(s) as required by the conditions of this licence to the Agency's Headquarters in Wexford, or to such other Agency office as may be specified by the Agency.

*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 **€8,740**, 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 2005. The first payment shall be a pro-rata amount for the period from the date this licence 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 2005, 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

The licensee shall pay to the Sanitary Authority **an annual sum of €3,800 to be paid on a quarterly basis** or 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 on demand.

12.3 Environmental Liabilities

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 financial provisions 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 2005.*

## SCHEDULE A: Limitations

### A.1

The following waste related processes are authorised:

- (i) Acceptance and temporary storage of green waste prior to recovery/disposal off-site
- (ii) Such other complimentary and non nuisance-generating activities as may be agreed in writing with the Agency.



### A.2 Waste Acceptance

**Table A.1 Waste Categories and Quantities**

WASTE TYPE	MAXIMUM (TONNES PER ANNUM)
Green Waste <sup>Note 1</sup>	20,000
<b>TOTAL</b>	<b>20,000</b>

Note 1: And other compatible wastes as may be approved in writing with the Agency



## SCHEDULE B: Emission Limits

**There shall be no Emissions to Air of environmental significance.**



### B.2 Emissions to Water

**There shall be no Emissions to Water of environmental significance.**



**B.3 Emission to Sewer**

**Emission Point Reference No.:** SE1  
**Name of Receiving Waters:** Dublin Bay via Sanitary Authority Sewer  
**Location:** Ringsend

Parameter	Emission Limit Value
Temperature	42°C (max.)
pH	6 - 10
	mg/l
BOD	500
COD	1000
Suspended Solids	500
Mineral Oils	10
Fats, Oils, Grease	100



**B.4. Noise Emissions**

Daytime dB(A) $L_{Aeq}(30 \text{ minutes})$	Night-time dB(A) $L_{Aeq}(30 \text{ minutes})$
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.



**Ambient Air Limits**

Parameter	Emission Limit Value <sup>Note 1</sup>
Total dust deposition	240 mg/m <sup>2</sup> /day <sup>Note 2</sup>

**Note 1:** As measured at the boundary of the facility.

**Note 2:** 30 day composite sample with the results expressed as mg/m<sup>2</sup>/day.

**SCHEDULE C: Control & Monitoring**

**C.1.1 Control of Emissions to Air**

There shall be no Emissions to Air of environmental significance.



**C.1.2 Monitoring of Emissions to Air**

There shall be no Emissions to Air of environmental significance.



**C.2.1 Control of Emissions to Water**

There shall be no Emissions to Water of environmental significance.



**C.2.2 Monitoring of Emissions to Water**

There shall be no Emissions to Water of environmental significance.



**C.3.1 Control of Emissions to Sewer**

**Emission Control Location:** Contaminated Rainwater Discharge to Sewer SE1

**Description of Treatment:** Oil interceptor/Silt Trap

Control Parameter	Monitoring	Key Equipment <sup>Note 1</sup>
Oil	As per the maintenance programme	Class II Full Retention Oil Interceptor
Suspended Solids	As per the maintenance programme	Silt traps

**Note 1:** The licensee shall maintain appropriate access to standby and/or spares to ensure the operation of the abatement system.

### C.3.2 Monitoring of Emission to Sewer

Emission Point Reference No.: SE1/SEMP1

Parameter	Monitoring Frequency	Sample Type	Analysis Method
Flow	Continuous	On-line flow meter with recorder	Standard Method
Temperature	Quarterly	Grab	Standard Method
pH	Quarterly	24-hour composite <sup>Note 1</sup>	Standard Method
Chemical Oxygen Demand	Quarterly	24-hour composite <sup>Note 1</sup>	Standard Method
Biochemical Oxygen Demand	Quarterly	24-hour composite <sup>Note 1</sup>	Standard Method
Suspended Solids	Quarterly	24-hour composite <sup>Note 1</sup>	Standard Method
Oils, fats & greases	Monthly	24-hour composite <sup>Note 1</sup>	Standard Method
Mineral Oils	Quarterly	Grab	Standard Method

Note 1: All samples shall be collected on a 24 hour flow proportional composite sampling basis or equivalent approved by the Agency.

### C.4 Noise Monitoring

Location <sup>Note 1, Note 2</sup>	Location name/reference in application	Grid Reference	Measurement	Frequency
NSL1	AN-1	E304115, N234564	L(A) <sub>eq</sub> (30 minutes), L(A) <sub>10</sub> , L(A) <sub>90</sub> Frequency Analysis (1/3 octave band analysis)	Annually
NSL2	N6	E304044, N234448	L(A) <sub>eq</sub> (30 minutes), L(A) <sub>10</sub> , L(A) <sub>90</sub> Frequency Analysis (1/3 octave band analysis)	Annually
NSL3	AN-4	E304007, N234518	L(A) <sub>eq</sub> (30 minutes), L(A) <sub>10</sub> , L(A) <sub>90</sub> Frequency Analysis (1/3 octave band analysis)	Annually
NSL4	Coláiste Cois Life School <sup>note3</sup>	To be agreed	L(A) <sub>eq</sub> (30 minutes), L(A) <sub>10</sub> , L(A) <sub>90</sub> Frequency Analysis (1/3 octave band analysis)	Annually

Note 1: Or at other locations as specified by the Agency.

Note 2: Nomenclature to be clarified with Agency

Note 3: Suitable monitoring location, acceptable to school management, to be agreed with Agency.

**C.5 Ambient Monitoring**

**Air Monitoring**

<b>Location:</b>		AD-1, AD-2, AD-3, and AD-4
<b>Parameter</b>	<b>Monitoring Frequency</b>	<b>Analysis Method/Technique</b>
Dust deposition	Quarterly	VDI method 2119 part 2 (Bergerhoff Gauge)

**Odour Monitoring**

<b>Location</b> <sup>Note 1</sup>	<b>Location name/reference in application</b>	<b>Measurement</b>	<b>Frequency</b>
AO-1	AO-1	Agreed Method <sup>Note3</sup>	Weekly
AO-2	AO-2	Agreed Method <sup>Note3</sup>	Weekly
AO-3	AO-3	Agreed Method <sup>Note3</sup>	Weekly
AO-4	Coláiste Cois Life School <sup>note2</sup>	Agreed Method <sup>Note3</sup>	Weekly

**Note 1:** Or at other locations as specified by the Agency.

**Note 2:** Suitable monitoring location, acceptable to school management, to be agreed with Agency.

**Note 3:** Method to be agreed with Agency.

## SCHEDULE D: Annual Environmental Report

Annual Environmental Report Content <sup>Note 1</sup>
Emissions from the facility.
Waste management record.
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.
Noise monitoring report summary.
Ambient monitoring summary.
Tank and pipeline testing and inspection report.
Reported incidents summary.
Energy efficiency audit report summary.
Report on the assessment of the efficiency of use of raw materials in processes and the reduction in waste generated.
Report on progress made and proposals being developed to minimise water demand and the volume of trade effluent discharge.
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.
Any other items specified by the Agency.

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

### Sign Off for Proposed Decisions

Signed on behalf of the said Agency \_\_\_\_\_  
on the xx day of xxxxxx, 2007 xxxxxxxx, **Authorised Person**