



Headquarters,  
P.O. Box 3000,  
Johnstown Castle Estate  
County Wexford, Ireland

## PROPOSED DECISION

<b>Waste Licence Register Number:</b>	171-1
<b>Applicant:</b>	Celtic Waste Limited, Material Recovery & Transfer Facility
<b>Location of Facility:</b>	Forge Hill, Kinsale Road, Ballycurreen, County Cork.

# INTRODUCTION

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

This license is for the operation of a material recovery and waste transfer station at facility at Forge Hill, Kinsale Road, Ballycurreen, County Cork.

Celtic Waste Ltd (Celtic Waste) will be licensed to accept only non-hazardous waste (primarily commercial and industrial waste) at this facility. The waste will be processed within a transfer building and removed off site for disposal at a licensed landfill. Pre-segregated paper, plastic and cardboard will be compacted in compacting units and stored indoors pending removal off site for recycling. Timber shredding will be carried out indoors at the facility. The quantity of waste to be accepted at the facility is 99,800 tonnes per annum and the necessary plant and equipment required to operate the facility at this capacity will be in place prior to the commencement of waste acceptance.

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 to the Agency monitoring results in addition to a wide range of reports on the operation and management of the facility.

The conditions of this licence set out in detail the legal constraints under which Celtic Waste Limited will operate and manage the facility.

## *Table of Contents*

	Page No.
<b>REASONS FOR THE DECISION</b>	<b>1</b>
<b><i>PART I ACTIVITIES LICENSED</i></b>	<b>1</b>
<b>INTERPRETATION</b>	<b>2</b>
<b><i>PART II CONDITIONS</i></b>	<b>4</b>
<b>CONDITION 1 SCOPE OF THE LICENCE</b>	<b>4</b>
<b>CONDITION 2 MANAGEMENT OF THE FACILITY</b>	<b>5</b>
<b>CONDITION 3 FACILITY INFRASTRUCTURE</b>	<b>6</b>
<b>CONDITION 4 RESTORATION AND AFTERCARE</b>	<b>10</b>
<b>CONDITION 5 FACILITY OPERATIONS</b>	<b>10</b>
<b>CONDITION 6 EMISSIONS</b>	<b>12</b>
<b>CONDITION 7 NUISANCE CONTROL</b>	<b>14</b>
<b>CONDITION 8 MONITORING</b>	<b>15</b>
<b>CONDITION 9 CONTINGENCY ARRANGEMENTS</b>	<b>16</b>
<b>CONDITION 10 RECORDS</b>	<b>17</b>
<b>CONDITION 11 REPORTS AND NOTIFICATIONS</b>	<b>18</b>
<b>CONDITION 12 CHARGES AND FINANCIAL PROVISIONS</b>	<b>20</b>
<b>SCHEDULE A : Waste Acceptance</b>	<b>22</b>
<b>SCHEDULE B : Specified Engineering Works</b>	<b>22</b>
<b>SCHEDULE C : Emission Limits</b>	<b>22</b>
<b>SCHEDULE D : Monitoring</b>	<b>23</b>
<b>SCHEDULE E : Recording and Reporting to the Agency</b>	<b>25</b>
<b>SCHEDULE F : Content of the Annual Environmental Report</b>	<b>26</b>

# DECISION & REASONS FOR THE DECISION

## *Reasons for the Decision*

The Environmental Protection Agency (The Agency) is satisfied, on the basis of the information available, that the waste activity, or activities, licensed hereunder will comply with the requirements of Section 40(4) of the Waste Management Act, 1996. In reaching this decision the Agency has considered the application and supporting documentation received from the applicant, all submissions received from other parties and the report of its inspector.

## *Part I Activities Licensed*

In pursuance of the powers conferred on it by the Waste Management Act, 1996, the Agency proposes, under Section 40(1) of the said Act to grant this Waste Licence to Celtic Waste Ltd. to carry on the waste activity/activities listed below at Forge Hill, Kinsale Road, Ballycurreen, County Cork. 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 Act 1996*

<b>Class 11.</b>	<b>Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.</b> This activity is limited to bulking and transfer of waste prior to disposal off site.
<b>Class 12.</b>	<b>Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.</b> This activity is linked to the compaction and repackaging of waste prior to disposal off site.
<b>Class 13.</b>	<b>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 was produced.</b> This activity is limited to storage prior to bulking and transfer of waste prior to disposal off site.

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

<b>Class 2.</b>	<b>Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes):</b> This activity is limited to storage of organic waste prior to recovery off-site.
<b>Class 3.</b>	<b>Recycling or reclamation of metals and metal compounds:</b> This activity is limited to the storage of metals prior to recovery off-site.
<b>Class 4.</b>	<b>Recycling or reclamation of other inorganic materials:</b> This activity is limited to the storage of inorganic materials prior to recovery off-site.
<b>Class 11.</b>	<b>Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule:</b> This activity is limited to the acceptance and handling of household and commercial waste.
<b>Class 12.</b>	<b>Exchange of waste for submission to any activity referred to in a preceding paragraph of this Schedule:</b> This activity is limited to the acceptance and handling of household and commercial waste.
<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> This activity is limited to the storage of waste prior to recovery.

# INTERPRETATION

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

<b>Adequate lighting</b>	20 lux measured at ground level.
<b>Agreement</b>	Agreement in writing.
<b>Annually</b>	At approximately twelve monthly intervals.
<b>Application</b>	The application by the licensee for this waste licence.
<b>Appropriate facility</b>	A waste management facility, duly authorised under relevant law and technically suitable.
<b>Bi-annually</b>	All or part of a period of six consecutive months.
<b>Biodegradable waste</b>	Any waste that is capable of undergoing anaerobic or aerobic decomposition, such as food, garden waste, sewage sludge, paper and paperboard.
<b>Condition</b>	A condition of this licence.
<b>Consignment Note</b>	All movements of hazardous waste within Ireland must be accompanied by a "C1" consignment note issued by a local authority under the Waste Management (Movement of Hazardous Waste) Regulations (SI No. 147 of 1998).
<b>Containment boom</b>	A boom which can contain spillages and prevent them from entering drains or watercourses.
<b>Daytime</b>	8.00 a.m. to 10.00 p.m.
<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>Emergency</b>	Those occurrences defined in Condition 9.4
<b>Emission Limits</b>	Those limits, including concentration limits and deposition levels established in <i>Schedule C: Emission Limits</i> , of this licence.
<b>European Waste Catalogue (EWC)</b>	A harmonised, non-exhaustive list of wastes drawn up by the European Commission and published as Commission Decision 94/3/EC and any subsequent amendment published in the Official Journal of the European Community.
<b>Hours of Operation</b>	The hours during which the facility is authorised to be operational. The hours of operation of a facility are usually longer than the hours of waste acceptance to facilitate preparatory and completion works, such as cleaning.
<b>Hours of Waste Acceptance</b>	The hours during which the facility is authorised to accept waste.
<b>Landfill Directive</b>	Council Directive 1999/31/EC

<b>Licence</b>	A Waste Licence issued in accordance with the Act.
<b>Licensee</b>	Celtic Waste Limited, Burton Court, Burton Hall Road, Sandyford, Dublin 18.
<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>Monthly</b>	A minimum of 12 times per year, at approximately monthly intervals.
<b>Night-time</b>	10.00 p.m. to 8.00 a.m.
<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 draft European Standard prEN 858 (Installations for the separation of light liquids, e.g. oil and petrol).
<b>Recyclable Materials</b>	Those waste types, such as cardboard, batteries, gas cylinders, etc, which may be recycled
<b>Quarterly</b>	At approximately three monthly intervals.
<b>Sanitary Authority</b>	Cork County Council
<b>Sample(s)</b>	Unless the context of this licence indicates to the contrary, samples shall include measurements by electronic instruments.
<b>Specified Emissions</b>	Those emissions listed in <i>Schedule C: Emission Limits</i> of this licence.
<b>Specified Engineering Works</b>	Those engineering works listed in <i>Schedule B: Specified Engineering Works</i> of this licence.
<b>Transfrontier Shipment</b>	Transfrontier shipment notification and movement/tracking form numbers are required for all exports of waste from, into or through the state under the Waste Management (Transfrontier Shipment of Waste) Regulations (SI No. 149 of 1998).
<b>Trigger Level</b>	A parameter value specified in the licence, the achievement or exceedance of which requires certain actions to be taken by the licensee.
<b>Wastewater</b>	Water that has been used, for washing, flushing or in a manufacturing process.
<b>Weekly</b>	During all weeks of plant operation, and in the case of emissions, when emissions are taking place; with no more than one measurement in any one week.
<b>White Goods</b>	Refrigerators, cookers, ovens and other similar appliances.
<b>EPA Working Day</b>	Refers to the following hours; 9.00 a.m. to 5.30 p.m. Monday to Friday inclusive.

## ***PART II CONDITIONS***

### **CONDITION 1 SCOPE OF THE LICENCE**

- 1.1 Waste activities at the facility shall be restricted to those listed and described in Part I: Activities Licensed and authorised by this licence.
- 1.2 For the purposes of this licence, the facility is the area of land outlined in red on Drawing 'Site Location Map' PP-O1 March 2002, of the application. Any reference in this licence to "facility" shall mean the area thus outlined in red.
- 1.3 This licence is for the purposes of waste licensing under the Waste Management Act 1996 only and nothing in this licence shall be construed as negating the licensee's statutory obligations or requirements under any other enactments or regulations.
- 1.4 The maximum tonnage to be accepted at the facility shall not exceed 99,800 tonnes per annum.
- 1.5 Only those waste categories and quantities listed in *Schedule A: Waste Acceptance*, of this licence, shall be accepted at the facility. No hazardous wastes or liquid wastes shall be accepted at the facility.
- 1.6 Waste Acceptance Hours and Hours of Operation
  - 1.6.1 The facility may be operated between the hours of 07:00 – 20:00 Monday to Saturdays inclusive.
  - 1.6.2 Waste shall not be accepted at the facility between the hours of 08:00 – 19:00 Monday to Saturdays inclusive.
  - 1.6.3 Waste shall not be accepted at the facility on Sundays or on Bank Holidays.
- 1.7 The following shall constitute an incident for the purposes of this licence
  - a) an emergency;
  - b) any emission which does not comply with the requirements of this licence;
  - c) any exceedance of the daily duty capacity of the waste handling equipment;
  - d) any trigger level specified in this licence which is attained or exceeded; and
  - e) any indication that environmental pollution has, or may have, taken place.
- 1.8 Where the Agency considers that a non-compliance with any condition of this licence has occurred, it may serve a notice on the licensee specifying:
  - 1.8.1 That only those wastes as specified, if any, in the notice are to be accepted at the facility after the date set down in the notice;
  - 1.8.2 That the licensee shall undertake works stipulated in the notice, and/or otherwise comply with the requirements of the notice as set down therein, within the time-scale contained in the notice; and
  - 1.8.3 That the licensee shall carry out any other requirement specified in the notice.

When the notice has been complied with, the licensee shall provide written confirmation that the requirements of the notice have been carried out. No waste, other than that, which is stipulated in the notice, shall be accepted at the facility until written permission is received from the Agency.

- 1.9 Every plan, programme or proposal submitted to the Agency for its agreement pursuant to any Condition of this licence shall include a proposed timescale for its implementation. The Agency may modify or alter any such plan, programme or proposal in so far as it considers such modification or alteration to be necessary and shall notify the licensee in writing of any such modification or alteration. Every such plan, programme or proposal shall be carried out within the timescale fixed by the Agency but shall not be undertaken without the agreement of the Agency. Every such plan, programme or proposal agreed by the Agency shall be covered by the conditions of this licence.

**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.
- 2.1.2 Both the facility manager and deputy, and any replacement manager or deputy, shall successfully complete both the FAS waste management training programme (or equivalent agreed with the Agency) and associated on site assessment appraisal within twelve months of appointment.
- 2.1.3 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.

### **2.2 Management Structure**

- 2.2.1 Prior to the commencement of waste activities the licensee shall submit written details of the management structure of the facility to the Agency. Any proposed replacement in the management structure shall be notified in advance in writing to the Agency. Written details of the management structure shall include the following information
- a) the names of all persons who are to provide the management and supervision of the waste activities authorised by the licence, in particular the name of the facility manager and any nominated deputies;
  - b) details of the responsibilities for each individual named under a) above; and
  - c) details of the relevant education, training and experience held by each of the persons nominated under a) above.

### **2.3 Environmental Management System (EMS)**

- 2.3.1 The licensee shall establish and maintain an EMS. Prior to the commencement of waste activities, the licensee shall submit to the Agency for its agreement a proposal for a documented Environmental Management System (EMS) for the facility. Following the agreement of the Agency, the licensee shall establish and maintain such a system. The EMS shall be updated on an annual basis with amendments being submitted to the Agency for its agreement.



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

2.3.2.1 Schedule of Environmental Objectives and Targets

The objectives should be specific and the targets measurable. The Schedule shall address a five-year period as a minimum. The Schedule shall include a time-scale for achieving the objectives and targets and shall comply with any other written guidance issued by the Agency.

2.3.2.2 Environmental Management Plan (EMP)

The EMP shall include, as a minimum, the following:

- (i) methods by which the objectives and targets will be achieved in the coming year and the designation of responsibility for targets;
- (ii) any other items required by written guidance issued by the Agency.

2.3.2.3 Corrective Action Procedures

Prior to the commencement of waste activities on this site, the licensee shall establish and maintain written Corrective Action Procedures to ensure that corrective action is taken should specified requirements to this license not be fulfilled.

2.3.2.4 Awareness and Training Programme

Prior to the commencement of waste activities on this site, the licensee shall establish and maintain an Awareness and Training Programme. This programme shall identify training needs for personnel who work in or have responsibility for the licensed facility.

2.4 Communications Programme

2.4.1 Prior to the commencement of waste activities on this site, the licensee shall establish and maintain a Communications Programme to inform and involve the local community and 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 the proper 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 FACILITY INFRASTRUCTURE**

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. No waste shall be accepted at the facility without prior the agreement of the Agency.

3.2 Specified Engineering Works

3.2.1 The licensee shall submit proposals for all Specified Engineering Works, as defined in *Schedule B: 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 include the following information;
- a) a description of the works;
  - b) as-built drawings of the works;
  - c) records and results of all tests carried out (including failures);
  - d) drawings and sections showing the location of all samples and tests carried out;
  - e) daily record sheets/diary;
  - f) name(s) of contractor(s)/individual(s) responsible for undertaking the specified engineering works;
  - g) name(s) of individual(s) responsible for supervision of works and for quality assurance validation of works;
  - h) records of any problems and the remedial works carried out to resolve those problems; and
  - i) 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. This notice board shall be installed prior to commencement of waste activities.
- 3.3.2 The board shall clearly show:
- a) the name and telephone number of the facility;
  - b) 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 Prior to the commencement of waste activities security and stockproof fencing, gates and CCTV shall be installed and maintained. The base of the fencing shall be set in the ground at a minimum height of 2.4 m.
- 3.4.2 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 within 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. A one way traffic system with appropriate signage shall be operated at the facility and sufficient car parking areas shall be provided and maintained.
- 3.5.2 Traffic awaiting access to the facility shall not queue along the public road.
- 3.5.3 The licensee shall provide and maintain impermeable concrete hardstanding at the facility entrance area, at the car parking area, where vehicle movement takes place and at the waste handling and storage area. All concreted areas at the facility shall be constructed to British Standard 8110.
- 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/ Quarantine Area
- 3.7.1 A Waste Inspection Area and a Waste Quarantine Area shall be provided and maintained at the facility.
- 3.7.2 The Waste Quarantine Area shall be provided and maintained in a manner suitable, and be of a size appropriate, for the quarantine of waste inside the facility. All containers of oil cleaning agents, odour neutralisers and other such substances will be stored in a designated contained area within the waste quarantine area. The quarantine area will be bunded and provided with an internal blind sump.
- 3.8 Weighbridge and Wheel Cleaning
- 3.8.1 Prior to the commencement of waste activities the licensee shall provide and maintain a weighbridge and wheelwash service at the facility.
- 3.9 Waste handling, ventilation and processing plant
- 3.9.1 Items of plant deemed critical to the efficient and adequate processing of waste at the facility (including *inter alia* front loading shovels and balers/compactors) shall be provided on the following basis:
- 100% duty capacity;
  - 50% standby capacity available on a routine basis;
  - Provision of contingency arrangements and/or back up and spares in the case of breakdown of critical equipment.
- 3.9.2 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.
- 3.9.3 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.
- 3.10 Wastewater Discharge

3.10.1 The licensee shall discharge wastewater to the Cork County Council sewer (via a private sewer) as per Drawing number 014-040-003 Rev P0. Wastewater shall pass through an appropriately sized screen prior to discharge to the sewer.

### 3.11 Tank and Drum Storage Areas

3.11.1 All tank and drum storage areas shall be rendered impervious to the materials stored therein.

3.11.2 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:

- (a) 110% of the capacity of the largest tank or drum within the bunded area; or
- (b) 25% of the total volume of substance which could be stored within the bunded area.

3.11.3 All drainage from bunded areas shall be diverted for collection and safe disposal.

3.11.4 All inlets, outlets, vent pipes, valves and gauges must be within the bunded area.

3.11.5 The integrity and water tightness of all the bunds and their resistance to penetration by water or other materials stored therein shall be confirmed by the licensee and shall be reported to the Agency following its installation and prior to its use as a storage area.

This confirmation shall be repeated at least once every three years thereafter and reported to the Agency on each occasion

### 3.12 Surface Water Management

3.12.1 A storm water drainage system and balance tank shall be installed and maintained at the facility to control surface water run off from the facility.

### 3.13 Silt Traps and Oil Separators/Interceptors

3.13.1 The licensee shall install and maintain silt traps and oil interceptors at the facility. This will ensure that surface water discharges from concrete impervious areas pass through a silt trap and oil interceptor prior to discharge into the balancing tank and subsequently to the stream. The interceptors shall be a Class I full retention interceptor and the silt traps and interceptors shall be in accordance with European Standard prEN 858. Roof water will discharge via the balancing tank to the stream.

### 3.14 Drainage system, pipeline testing

3.14.1 Prior to the commencement of waste activities, all sewer gullies, grids and manhole covers shall be painted with red squares whilst all surface water gullies, 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 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. 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.

3.14.3 The storm water drainage system shall be established and maintained as set out in Drawing 014-040-002 Rev: P1 June 2002 subject to any alterations agreed in advance by the Agency.

3.14.4 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 following their installation

and prior to their use. 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 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.

3.16 Archaeological Assessment

3.16.1 During site development the licensee shall ensure that the excavation is overseen by a suitably qualified archaeologist. In the event that any features/artefacts of archaeological value are unearthed the licensee shall take the appropriate precautions to ensure these features/artefacts are surveyed to an appropriate level of detail. The National Museum, Dúchas and the Agency shall be informed of any such finds.

**REASON:** *To provide appropriate infrastructure for the protection of the environment.*

## **CONDITION 4 RESTORATION AND AFTERCARE**

4.1. A proposal for a Decommissioning and Aftercare Plan for the facility shall be submitted to the Agency within 12 months of commencement of waste activities. The licensee shall update these schemes when required by the Agency.

**REASON:** *To provide for the restoration of the facility*

## **CONDITION 5 FACILITY OPERATIONS**

5.1 All waste processing shall be carried out inside the waste transfer building.

5.2 Waste Acceptance and Characterisation Procedures

5.2.1 Prior to commencement of waste acceptance at the facility the licensee establish and maintain detailed written procedures for the acceptance and handling of wastes.

5.2.2 Waste arriving at the facility shall be inspected at the point of entry to the facility and subject to this inspection, weighed, documented and directed to the Waste Transfer Building. Each load of waste arriving at the Waste Transfer Building shall be inspected upon tipping within this building. Only after such inspections shall the waste be processed for disposal or recovery.

5.2.3 Following waste acceptance, waste shall be deposited on the floor of the waste transfer building. If stored overnight waste shall be stored within sealed containers within the waste transfer building.

5.2.4 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 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.

5.2.5 A record of all inspections of incoming waste loads shall be maintained.

- 5.2.6 Waste shall only be accepted at the facility from known customers or new customers subject to initial waste profiling and waste characterisation off-site. The written records of this off-site waste 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. There shall be no casual public access to the facility.
- 5.2.7 Waste shall only be accepted at the facility, from customers who are holders of a waste permit under the Waste Management (Collection Permit) Regulations 2001 or from other licensed/ permitted facilities.
- 5.3 The licensee shall retain copies of these waste permits on-site, and written records of off-site waste profiling and characterisation, for all active customers for a two-year period following termination of licensee/customer agreements.
- 5.4 Operational Controls
- 5.4.1 The floor of the waste transfer building shall be washed down and cleared of all waste at the end of the working day. The floor of the storage bays for recovered wastes shall be washed down and cleaned on each occasion such bays are emptied.
- 5.4.2 Scavenging shall not be permitted at the facility.
- 5.4.3 Gates shall be locked shut when the facility is unsupervised.
- 5.4.4 The licensee shall provide and use adequate lighting during the operation of the facility in hours of darkness.
- 5.4.5 Fuels shall only be stored at appropriately bunded locations on the facility.
- 5.4.6 All tanks and drums shall be labelled to clearly indicate their contents.
- 5.4.7 No smoking shall be allowed within the main waste transfer building.
- 5.5 Off-site Disposal and Recovery
- 5.5.1 Waste sent off-site for recovery or disposal shall only be conveyed by a waste agreed in advance by the Agency. Any request for such agreement of a waste carrier shall include the following;
- i) Copies of the waste carrier's permit(s) under the Waste Management (Collection Permit) Regulations 2001.
  - ii) Details of the waste types it is proposed the carrier will transfer from the facility.
- 5.5.2 All waste transferred from the facility shall only be transferred to an appropriate facility agreed by the Agency; Any request for agreement of such a facility shall be forwarded to the Agency at least one month in advance of its proposed use and shall include the following;
- i) A copy of the waste permit or waste licence where applicable.
  - ii) The proposed waste types and quantities.
  - iii) Details of any limitations on waste types and quantities acceptable at the facility.
- 5.5.3 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.
- 5.6 Maintenance

- 5.6.1 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.
- 5.6.2 The licensee shall maintain and clearly label and name all sampling and monitoring locations.
- 5.6.3 The wheel-wash shall be inspected on a daily basis and drained as required. Silt, stones and other accumulated material shall be removed as required from the wheel-wash and disposed of appropriately.
- 5.6.4 The licensee shall maintain the balers/ compactors and front loading shovels in accordance with the manufacturers instructions.
- 5.7 Landscaping
  - 5.7.1 Landscaping of the facility shall be carried out within 12 months of commencement of waste activities.

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

## **CONDITION 6 EMISSIONS**

- 6.1. No specified emission from the facility shall exceed the emission limit values set out in *Schedule C: Emission Limits* of this licence. There shall be no other emissions of environmental significance.
- 6.2. The licensee shall ensure that the activities shall be carried out in a manner such that emissions do not result in significant impairment of, or significant interference with the environment beyond the facility boundary.
- 6.3. Emission limits for emissions to atmosphere in this licence shall be interpreted in the following way:-
  - 6.3.1. Non-Continuous Monitoring
    - i) For any parameter where, due to sampling/analytical limitations, a 30-minute samples is inappropriate, a suitable sampling period should be employed and the value obtained therein shall not exceed the emission limit value.
    - ii) For all other parameters, no 30-minute mean value shall exceed the emission limit value.
    - iii) For flow, no hourly or daily mean value shall exceed the emission limit value.
- 6.4. Emissions to Surface Water
  - 6.4.1. The trigger levels for surface water discharges from the facility measured at monitoring point(s) SW-1, SW-2, SW-3 shown in Drawing 'Monitoring Locations' No. J.1.O Rev. A Feb. 2002 are:
    - (a) BOD 25mg/l
    - (b) Suspended Solids 60mg/l

- 6.4.2. No substance shall be discharged in a manner, or at a concentration which, following initial dilution causes tainting of fish or shellfish.
- 6.5. There shall be no direct emissions to groundwater.
- 6.6. There shall be no clearly audible tonal component or impulsive component in the noise emissions from the activity at the noise sensitive locations.
- 6.7. Disposal of wastewater
  - 6.7.1. All waste water shall be discharged to sewer.
- 6.8. Emissions to Sewer
  - 6.8.1. Unless otherwise agreed in advance with the Agency and the Sanitary Authority, the following shall apply for the discharge of wastewater, which shall be via the sewer indicated on Drawing 'Drainage and Watermain Layout' No. 014-040-002 Rev: P1 Jan 2002. There shall be no other discharge or emission to sewer of environmental significance.
  - 6.8.2. No substance shall be present in emissions to sewer in such concentrations as would constitute a danger to sewer maintenance personnel working in the sewerage system, or as would be damaging to the fabric of the sewer, or as would interfere with the biological functioning of a downstream wastewater treatment works.
  - 6.8.3. 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 discharge or emission, and to take samples of the discharge or emission.
  - 6.8.4. No discharge or emission to sewer shall take place, which might give rise to any reaction within the sewer or to the liberation of by-products, which may be of environmental significance.
  - 6.8.5. The licensee shall ensure that the discharge shall not contain dissolved methane, petroleum spirits or organic solvents (including chlorinated organic solvents), at concentrations, which would give rise to flammable or explosive vapours in the sewer.
  - 6.8.6. Non-trade effluent wastewater (e.g. firewater, accidental spillage) which occurs on-site shall not be discharged to the sewer without the prior authorisation of the Sanitary Authority.
  - 6.8.7. The licensee shall provide and maintain an inspection chamber in a suitable position in connection with each pipe through which a discharge or emission is being made. Each such inspection chamber or manhole shall be constructed and maintained by the licensee so as to permit the taking of samples of the discharge.
  - 6.8.8. Monitoring and analytical equipment shall be operated and maintained as necessary so that monitoring accurately reflects the discharge or emission.
  - 6.8.9. The licensee shall submit monitoring results to the Sanitary Authority on an annual basis.
  - 6.8.10. The acute toxicity of the undiluted final effluent for discharge, to at least four aquatic species, from different trophic levels, shall be determined, by standardised and internationally accepted procedures and carried out by competent laboratory. The name of the laboratory and the scope of the testing to be undertaken shall be submitted, in writing, to the Agency, within three months of the date of the grant of the waste licence. Once the testing laboratory and the scope of the testing is to be carried out and copies of all reports shall be submitted by the licensee to the Agency, within six weeks of completion of testing.



- 6.9. Emission limit values for waste water emissions to sewer in this licence shall be interpreted in the following way:-
- a) Continuous monitoring.  
No flow value shall exceed the specified limit.
  - b) Non-Continuous monitoring.  
Eight out of ten consecutive results, calculated as daily mean concentration or mass emission values on the basis of flow proportional composite sampling shall exceed 1.2 times the emission limit value.
  - c) No grab sample shall exceed 1.2 times the emission limit value.

**REASON:** *To control emissions from the facility and provide for the protection of the environment.*

## **CONDITION 7    NUISANCE CONTROL**

- 7.1 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 area of the facility. Any method used by the licensee to control any such nuisance shall not cause environmental pollution.
- 7.2 The road network in the vicinity of the facility shall be kept free from any debris caused by vehicles entering or leaving the facility. Any such debris or deposited materials shall be removed without delay.
- 7.3 Litter Control
- 7.3.1 All loose litter or other waste, placed on or in the vicinity of the facility, other than in accordance with the requirements of this licences, 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.
  - 7.3.2 The licensee shall ensure that all vehicles delivering waste to and removing waste and materials from the facility are appropriately covered.
- 7.4 Dust/Odour Control
- 7.4.1 All waste held at the facility over night shall be stores within the waste transfer building in sealed containers and shall be removed within forty eight hours of its acceptance at the facility and seventy two hours during the bank holiday weekends.
  - 7.4.2 During construction and operation of the facility and in dry weather conditions, site roads and any other areas used by vehicles shall be sprayed with water as and when required to minimise airborne dust nuisance.
  - 7.4.3 Prior to the date of commencement of the waste activities at the facility, the licensee shall install and provide adequate measures for the control of odours and dust emissions, including fugitive dust emissions (e.g. woodshredder), from the facility. Such measures shall at a minimum include the following:
    - 7.4.3.1 Dust curtains shall be maintained on the entry/exit points from the waste transfer building; all other doors in this building shall be kept closed where possible.
    - 7.4.3.2 Installation of an odour management system to include as a minimum: all waste handling activities will be carried out indoors only, the floor area of the facility

building shall be routinely swept and washed down, when not in use the doors of the building shall remain closed, an appropriately sized air extraction system shall be installed and maintained and odour neutralising agents shall be used when required based on findings of daily odour inspections.

7.4.3.3 Provision of 100% duty capacity and 50% stand by capacity, back ups and spares must be provided for the air handling, ventilation and abatement plant.

7.5 The licensee shall provide a report to the Agency, within 12 months of the date of commencement of waste activities assessing the effectiveness of the odour abatement measures, the level of odour complaints (if any) and requirement for adjustment of waste handling practices. The requirement for further odour abatement measures at this facility should be identified also and timescales for introduction set out: Any odour abatement measures required shall be installed and maintained.

#### 7.6 Bird Control

7.6.1 Prior to the date of commencement of waste activities the licensee shall establish and maintain detailed written procedures for the control and prevention of birds nuisances at the facility.

#### 7.7 Noise Control

7.7.1 Prior to the date of commencement of the waste activities at the facility, the licensee shall install and maintain two acoustic noise barriers opposite the loading and unloading bay doors or as otherwise agreed by the Agency.

**REASON:** *To provide for the control of nuisances*

## CONDITION 8 MONITORING

- 8.1. The licensee shall carry out such monitoring and at such locations and frequencies as set out in *Schedule D: Monitoring*, and as specified in 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.
- 8.2. 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. Such alterations shall be carried out within any timescale nominated by the Agency.
- 8.3. Monitoring and analysis equipment shall be operated and maintained in accordance with the manufacturers' instructions (if any) so that all monitoring results accurately reflect any emission, discharge or environmental parameter.
- 8.4. The licensee shall provide safe and permanent access to all on-site sampling and monitoring points and to off-site points as required by the Agency.
- 8.5. The licensee shall maintain all sampling and monitoring points, and clearly label and name all sampling and monitoring locations, so that they may be used for representative sampling and monitoring.
- 8.6. 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.

- 8.7. Prior to the commencement of waste activities at this facility, the following information shall be submitted to the Agency for its agreement: the names, qualifications and a summary of relevant experience of all persons that will carry out all sampling and monitoring as required by this licence and who carry out the interpretation of the results of such sampling and monitoring. Any proposed changes to the above shall be submitted in writing to the Agency for its agreement.
- 8.8. Surface Water Monitoring
- 8.8.1. The licensee shall provide, install and maintain a monitoring chamber for representative sampling of the final surface water discharge from the facility to the adjacent watercourse. A shut off valve will be incorporated in the design, which will allow the discharge to be stopped.
- 8.9. Nuisance Monitoring
- 8.9.1. 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.

**REASON:** *To ensure compliance with the conditions of this licence by provision of a satisfactory system of monitoring of emissions*

## **CONDITION 9 CONTINGENCY ARRANGEMENTS**

- 9.1. In the event of an incident the licensee shall immediately:
- a) identify the date, time and place of the incident;
  - b) carry out an immediate investigation to identify the nature, source and cause of the incident and any emission arising therefrom;
  - c) isolate the source of any such emission;
  - d) evaluate the environmental pollution, if any, caused by the incident;
  - e) identify and execute measures to minimise the emissions/malfunction and the effects thereof;
  - f) provide a proposal to the Agency for its agreement within one month of the incident occurring 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.
- 9.2. The licensee shall, prior to commencement of waste activities submit a written Emergency Response Procedure (ERP) to the Agency for its agreement. The ERP shall address any emergency situations, which may originate on the facility and shall include provision for minimising the effects of any emergency on the environment. This shall include a risk assessment to determine the requirements at the facility for fire fighting and firewater retention facilities. The Fire Authority shall be consulted by the licensee during this assessment.
- 9.3. 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.
- 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 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;
- 9.4.4. In the event that monitoring of local wells indicates that the facility is having a significant adverse effect on the quantity and/or quality of the water supply this shall be treated as an emergency and the licensee shall provide an alternative supply of water to those affected.

**REASON:** *To ensure compliance with the conditions of this licence by provision of a satisfactory system of monitoring of emissions*

## **CONDITION 10 RECORDS**

- 10.1 The licensee shall keep the following documents at the facility office.
  - a) the current waste licence relating to the facility;
  - b) the current EMS for the facility;
  - c) the previous year's AER for the facility;
  - d) all written procedures produced by the licensee which relate to the licensed activities.
- 10.2 The licensee shall maintain a written record for each load of waste arriving at and departing from the facility. The licensee shall record the following:
  - a) the date;
  - b) the name of the carrier (including if appropriate, the waste carrier registration details);
  - c) the vehicle registration number;
  - d) the name of the producer(s)/collector(s) of the waste as appropriate;
  - e) the name of the waste facility (if appropriate) from which the load originated including the waste licence or waste permit register number;
  - f) a description of the waste including the associated EWC codes;
  - g) the quantity of the waste, recorded in tonnes
  - h) the name of the person checking the load; and,
  - i) where loads or wastes are removed or rejected, details of the date of occurrence, the types of waste and the facility to which they were removed,
  - j) where applicable a consignment note number (including transfrontier shipment notification and movement/tracking form numbers, as appropriate).
- 10.3 **Written Records**

The following written records shall be maintained by the licensee:

- a) the types and quantities of waste recovered at the facility each year. These records shall include the relevant EWC Codes;
  - b) details of daily floor washing,
  - c) all training undertaken by facility staff;
  - d) results from all integrity tests of bunds and other structures and any maintenance or remedial work arising from them;
  - e) details of all nuisance inspections; and
  - f) the names and qualifications of all persons who carry out all sampling and monitoring as required by this licence and who carry out the interpretation of the results of such sampling and monitoring.
- 10.4 The licensee shall maintain a written record of all complaints relating to the operation of the activity. Each such record shall give details of the following:
- a) date and time of the complaint;
  - b) the name of the complainant;
  - c) details of the nature of the complaint;
  - d) actions taken on foot of the complaint and the results of such actions; and,
  - e) the response made to each complainant.
- 10.5 A written record shall be kept at the facility of the programme for the control and eradication of vermin and fly infestations at the facility. These records shall include as a minimum the following:
- a) the date and time during which spraying of insecticide is carried out;
  - b) contractor details;
  - c) contractor logs and site inspection reports;
  - d) details of the rodenticide(s) and insecticide(s) used;
  - e) operator training details;
  - f) details of any infestations;
  - g) mode, frequency, location and quantity of application; and,
  - h) measures to contain sprays within the facility boundary.

***REASON:*** *To provide for the keeping of proper records of the operation of the facility*

## **CONDITION 11 REPORTS AND NOTIFICATIONS**

- 11.1 Unless otherwise agreed by the Agency, all reports and notifications submitted to the Agency shall:
- a) be sent to the Agency's headquarters;
  - b) comprise one original and three copies unless additional copies are required;
  - c) be formatted in accordance with any written instruction or guidance issued by the Agency;

- d) include whatever information as is specified in writing by the Agency;
- e) be identified by a unique code, indicate any modification or amendment, and be correctly dated to reflect any such modification or amendment;
- f) be submitted in accordance to the relevant reporting frequencies specified by this licence, such as in *Schedule E: Recording and Reporting to the Agency*, of this licence;
- g) be accompanied by a written interpretation setting out their significance in the case of all monitoring data; and
- h) be transferred electronically to the Agency's computer system if required by the Agency.

11.2 In the event of an incident occurring on the facility, the licensee shall:

- a) notify the Agency as soon as practicable and in any case not later than 10.00 am the following working day after the occurrence of any incident;
- b) submit a written record of the incident, including all aspects described in Condition 9.1(a-e), to the Agency as soon as practicable and in any case within five working days after the occurrence of any incident;
- c) in the event of any incident which relates to discharges to surface, notify the Southern Fisheries Board and Cork County Council as soon as practicable and in any case not later than 10:00am on the following working day after such an incident; and
- d) Should any further actions be taken as a result of an incident occurring, the licensee shall forward a written report of those actions to the Agency as soon as practicable and no later than ten days after the initiation of those actions.

11.3 Waste Recovery Reports

Prior to the commencement of waste activities, a report examining waste recovery options shall be submitted to the Agency for its agreement. This report shall address methods to contribute to the achievement of the recovery targets stated in national and European Union waste policies and shall include the following:

- a) 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;
- b) the separation of recyclable materials from the waste;
- c) the recovery of non hazardous inorganic waste;
- d) the recovery of commercial waste, including cardboard;

11.4 Monitoring Locations

11.4.1. 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. The drawing(s) shall include the reference code of each monitoring point.

11.5 Annual Environmental Report

11.5.1. The licensee shall submit to the Agency for its agreement, within thirteen months from the date of grant of this licence, and one month after the end of each calendar year thereafter, an Annual Environmental Report (AER).

11.5.2. The AER shall include as a minimum the information specified in *Schedule H: Content of Annual Environmental Report* of this licence and shall be prepared in accordance with any relevant written guidance issued by the Agency.

## **CONDITION 12 CHARGES AND FINANCIAL PROVISIONS**

### 12.1 Agency Charges

- 12.1.1 The licensee shall pay to the Agency an annual contribution of €18,393.34 or such sum as the Agency from time to time determines, towards the cost of monitoring the activity or otherwise in performing any functions in relation to the activity, as the Agency considers necessary for the performance of its functions under the Waste Management Act, 1996. The licensee shall in 2004 and subsequent years, not later than January 31 of each year, pay to the Agency this amount updated in accordance with changes in the Public Sector Average Earnings Index from the date of the licence to the renewal date. The updated amount shall be notified to the licensee by the Agency. For 2003, the licensee shall pay a pro rata amount from the date of this licence to 31<sup>st</sup> December. This amount shall be paid to the Agency within one month of the date of grant of this licence.
- 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.

### 12.2 Financial Provision for Closure, Restoration and Aftercare

- 12.2.1 The licensee shall arrange for the completion of a comprehensive and fully costed Environmental Liabilities Risk Assessment for the facility which will address liabilities arising from the carrying on of the activities to which this licence relates. A report on this assessment shall be submitted to the Agency for its agreement within six months of date of grant of this licence.
- 12.2.2 Within nine months of the date of grant of this licence, the licensee shall make a Proposal for Financial Provision to the Agency for its agreement to cover any liabilities incurred by the licensee in carrying on the activities to which this licence relates. Such provision shall be maintained by the licensee unless otherwise agreed by the Agency.
- 12.2.3 The amount of financial provision, held under Condition 12.2.2 shall be reviewed and revised as necessary, but at least annually. Any proposal for such a revision shall be submitted to the Agency for its agreement.
- 12.2.4 The licensee shall within two weeks of purchase, renewal or revision of the financial provision required under Condition 12.2.2, forward to the Agency written proof of such indemnity.
- 12.2.5 Unless otherwise agreed any revision to the fund shall be computed using the following formula:
- $$\text{Cost} = (\text{ECOST} \times \text{WPI}) + \text{CiCC}$$
- Where:
- Cost = Revised restoration and aftercare cost
- ECOST = Existing restoration and aftercare cost
- WPI = Appropriate Wholesale Price Index [Capital Goods, Building & Construction (i.e. Materials & Wages) Index], as published by the Central Statistics Office, for the year since last closure calculation/revision.

CiCC = Change in compliance costs as a result of change in site conditions, changes in law, regulations, regulatory authority charges, or other significant changes.

***REASON:*** *To provide for adequate financing for monitoring and financial provisions for measures to protect the environment.*



## SCHEDULE A : Waste Acceptance

### A.1 Waste Acceptance

Table A.1 Waste Categories and Quantities

WASTE TYPE	MAXIMUM (TONNES PER ANNUM)
Household waste collected by or on behalf of the local authority	49900
Commercial Waste	49900
<b>TOTAL</b>	99800

## SCHEDULE B : Specified Engineering Works

Specified Engineering Works
Installation of silt traps and oil interceptors.
Installation of dust/odour system.
Installation of waste handling, processing, recycling/recovery infrastructure and installation of increased waste processing capacity.
Any other works notified in writing by the Agency.

## SCHEDULE C : Emission Limits

### C.1 Noise Emissions: (Measured at the monitoring points indicated in *Table D.1.1*).

Day dB(A) $L_{Aeq}$ (30 minutes)	Night dB(A) $L_{Aeq}$ (30 minutes)
55	45

### C.2 Dust Deposition Limits: (Measured at the monitoring points indicated in *Table D.2.1*).

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

**Note 1:** 30 day composite sample with the results expressed as mg/m<sup>2</sup> /day.

**C.3 Surface Water Discharge Limits :** Measured at the monitoring point SW-1

Parameter	Emission Limit Value
Mineral oils	5mg/l

**C.4 Emission Limits for Wastewater Emissions to Sewer**

Emission Point Reference No. SE-1  
 Volume to be emitted: Maximum in any one day: 10 m<sup>3</sup>  
 Maximum rate per hour: 2 m<sup>3</sup>/hr

Parameter	Emission Limit Value		
	Grab Sample (mg/l)	Daily Mean Concentration (mg/l)	Daily Mean Loading (kg/day)
BOD	500	500	5
COD	1500	1500	15
Ammoniacal Nitrogen	50	50	-
Suspended solids	500	500	5
Sulphate (as SO <sub>4</sub> )	400	400	-
pH	6-9	-	-
Temperature	25	25	-
Detergents	100	100	-
Fats /Oils /Greases	50	50	-

## SCHEDULE D : Monitoring

Monitoring to be carried out as specified below.

### D.1 Monitoring Locations

Monitoring locations shall be those as set out in Table D.1.

**Table D.1.1 Noise, Surface water, Waste water and Dust Monitoring Locations**

NOISE	SURFACE WATER	WASTEWATER	DUST
STATIONS	STATIONS	STATIONS	STATIONS
NS-1	SW-1	SE-1	DS-1
NS-2	SW-2		DS-2
NS-3	SW-3		DS-3
			DS-4

## D.2 Dust

**Table D.2.1 Dust Monitoring Frequency and Technique**

Parameter (mg/m <sup>2</sup> /day)	Monitoring Frequency	Analysis Method/Technique
Dust	SIX times a year <sup>Note 2</sup>	Standard Method <sup>Note 1</sup>

**Note 1:** Standard method VDI2119 (Measurement of Dustfall, Determination of Dustfall using Bergerhoff Instrument (Standard Method) German Engineering Institute). A modification (not included in the standard) which 2 methoxy ethanol may be employed to eliminate interference due to algae growth in the gauge.

**Note 2:** Three times during the period May to September.

## D.3 Noise

**Table D.3.1 Noise Monitoring Frequency and Technique**

Parameter	Monitoring Frequency	Analysis Method/Technique
L(A) <sub>EQ</sub> [30 minutes]	Annual	Standard <sup>Note 1</sup>
L(A) <sub>10</sub> [30 minutes]	Annual	Standard <sup>Note 1</sup>
L(A) <sub>90</sub> [30 minutes]	Annual	Standard <sup>Note 1</sup>
Frequency Analysis(1/3 Octave band analysis)	Annual	Standard <sup>Note 1</sup>

**Note 1:** "International Standards Organisation. ISO 1996. Acoustics - description and Measurement of Environmental noise. Parts 1, 2 and 3."

## D.4 Surface Water Emissions

**Table D.4.1 Surface water Monitoring Frequency and Techniques**

Parameter	Monitoring Frequency	Analysis Method/Technique
pH	Quarterly	Electrometry
Biological Oxygen Demand	Quarterly	Standard Methods <sup>Note 1</sup>
Suspended Solids	Quarterly	Standard Methods <sup>Note 1</sup>
Mineral Oils	Quarterly	Standard Methods <sup>Note 1</sup>
Fats, Oils, Grease	Quarterly	Standard Methods <sup>Note 1</sup>

**Note 1:** "Standards Methods for the Examination of Water and Wastewater", (prepared and published jointly by A.P.H.A., A.W.W.A & W.E.F) 20th Ed., American Public Health Association, 1015 Fifteenth Street, Washington DC 20005, USA.

**Note 2:** Analysis for all relevant substances listed in SI No. 12 of 2001, Water Quality (Dangerous Substances) Regulations should be carried out on a once-off basis within twelve months of commencement of waste activities.

## D.5 Waste Water Emissions

**Table D.5.1 Wastewater Monitoring Frequency and Techniques**  
(\* Frequency as per Section 52 of the Waste Management Act, 1996)

Parameter	Sampling Method/ Type* <sup>Note 2</sup>	Monitoring Frequency* <sup>Note 2</sup>	Analysis Method/Technique
<b>PH</b>	Continuous	Continuous	Electrometry
<b>Biological Oxygen Demand</b>	Composite	Weekly	Standard Methods <sup>Note 1</sup>
<b>Chemical Oxygen Demand</b>	Composite	Weekly	Standard Methods <sup>Note 1</sup>
<b>Suspended Solids</b>	Composite	Weekly	Standard Methods <sup>Note 1</sup>
<b>Fats, Oils, Grease</b>	Composite	Monthly	Standard Methods <sup>Note 1</sup>
<b>Temperature</b>	Continuous	Continuous	Temperature probe
<b>Sulphate (as SO<sub>4</sub>)</b>	Composite	Weekly	Standard Methods <sup>Note 1</sup>
<b>Ammoniacal nitrogen</b>	Composite	Weekly	Standard Methods <sup>Note 1</sup>
<b>Detergents</b>	Composite	Monthly	Standard Methods <sup>Note 1</sup>

**Note 1:** "Standards Methods for the Examination of Water and Wastewater", (prepared and published jointly by A.P.H.A., A.W.W.A & W.E.F) 20th Ed., American Public Health Association, 1015 Fifteenth Street, Washington DC 20005, USA.

**Note 2:** As requested by Sanitary Authority. Frequency and sampling method may be reduced as per Condition 8.2.

## SCHEDULE E : Recording and Reporting to the Agency

Report	Reporting Frequency <sup>Note1</sup>	Report Submission Date
<b>Environmental Management System Updates</b>	Annually	One month after the end of the year reported on.
<b>Annual Environment Report (AER)</b>	Annually	Thirteen months from the date of grant of licence and one month after the end of each calendar year thereafter.
<b>Record of incidents</b>	As they occur	Within five days of the incident.
<b>Bund, tank and container integrity assessment</b>	Every three years	Six months from the date of grant of licence and one month after end of the three year period being reported on.
<b>Specified Engineering Works reports</b>	As they arise	Prior to the works commencing.
<b>Monitoring of Surface Water Quality</b>	Quarterly	Ten days after end of the quarter being reported on.
<b>Monitoring of wastewater</b>	Quarterly	Ten days after end of the quarter being reported on.
<b>Dust Monitoring</b>	Three times a year	Ten days after the period being reported on
<b>Noise Monitoring</b>	Annually	One month after end of the year being reported on.
<b>Any other monitoring</b>	As they occur	Within ten days of obtaining results.

**Note 1:** Unless altered at the request of the Agency

# SCHEDULE F : Content of the Annual Environmental Report

## Annual Environmental Report Content

Reporting Period.

Waste activities carried out at the facility.

Quantity and Composition of waste recovered, received and disposed of during the reporting period and each previous year (relevant EWC codes to be used).

Summary report on emissions.

Summary of results and interpretations of environmental monitoring, including a location plan of all monitoring locations.

Resource and energy consumption summary.

Development / Infrastructural works in place and planned, to process waste quantities projected for the following year (including plant operating capacity, provision of adequate standby capacity and provision of contingency, backup and spares in the case of breakdown).

Schedule of Environmental Objectives and Targets for the forthcoming year.

Report on the progress towards achievement of the Environmental Objectives and Targets contained in previous year's report.

Full title and a written summary of any procedures developed by the licensee in the year which relates to the facility operation.

Tank, drum, pipeline and bund testing and inspection report.

Reported Incidents and Complaints summaries.

Review of Nuisance Controls.

Reports on financial provision made under this licence, management and staffing structure of the facility, and a programme for public information.

Volume of wastewater produced and volume of wastewater transported off-site.

Any other items specified by the Agency.

**Note 1:** Content to be revised subject to the agreement of the Agency after cessation of waste acceptance at the facility.

**Signed on behalf of the said Agency**  
on the 25<sup>th</sup> day of March 2003

\_\_\_\_\_  
Ray Cullinane, **Authorised Person**