



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

WASTE LICENCE  
PROPOSED DECISION

<b>Waste Licence</b>	95-2
<b>Register Number:</b>	
<b>Applicant:</b>	Reduce, Reuse and Recycle Limited
<b>Location of Facility:</b>	Waste Management Centre, Knockmitten Lane, Western Industrial Estate, Dublin 12.

# INTRODUCTION

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

*This licence is for the operation of a waste transfer station and recycling facility at Waste Management Centre, Knockmitten Lane, Western Industrial Estate, Dublin 12.*

*Reduce, Reuse and Recycle Limited will be licensed to accept non-hazardous wastes only at this facility. The waste types to be accepted at the facility are primarily commercial and industrial wastes. The licence also provides for the acceptance and processing of a small quantity of construction and demolition wastes. No hazardous or liquid wastes may be accepted at the facility. The annual quantity of waste to be accepted at the facility will increase on a phased basis as the infrastructure at the facility is developed. The maximum annual quantity of waste to be accepted at the facility is 200,000 tonne per annum and all waste processing must be carried out indoors.*

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

*The licence sets out in detail the conditions under which Reduce, Reuse and Recycle Limited are required to operate and manage this facility.*

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# DECISION & REASONS FOR THE DECISION

## *Reasons for the Decision*

The Environmental Protection 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 Environmental Protection 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 Environmental Protection Agency (the Agency) proposes, under Section 46(2) of the said Act to grant this Waste Licence to Reduce, Reuse and Recycle Limited to carry on the waste activity/activities listed below at Waste Management Centre, Knockmitten Lane, Western Industrial Estate, Dublin 12, 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 is limited to the processing and bulking of wastes prior to transfer
<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 limited to the processing and baling of waste prior to disposal
<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 is limited to the temporary storage of waste at the facility

### *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 the segregation of wood and cardboard for recycling/recovery
<b>Class 3.</b>	<b>Recycling or reclamation of metals and metal compounds:</b> This activity is limited to the segregation of metals for recycling/recovery
<b>Class 4.</b>	<b>Recycling or reclamation of other inorganic materials:</b> This activity is limited to the segregation of wastes prior to recycling/recovery
<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 use of spent grain/saw dust at the facility as a spill absorbent material
<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 exchange of recyclable materials through packaging or other materials recovery schemes.
<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 wastes at the facility prior to transfer off-site for recycling/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>Attachment</b>	Any reference to Attachments in this licence refers to attachments submitted as part of the waste licence application.
<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>Building 1</b>	Building 1 is the existing waste transfer building or as rebuilt at same location at the facility as per Figure No. B.2.1 of the Waste Licence Application
<b>Building 2</b>	Building 2 is the proposed waste transfer building at the facility as per Figure No. B.2.1 of the Waste Licence Application
<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). 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>Construction and Demolition Waste</b>	All wastes which arise from construction, renovation and demolition activities.
<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>Green waste</b>	Waste wood (excluding timber), plant matter such as grass cuttings, and other vegetation.
<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 the removal and laying of daily cover. Different activities within the facility, such as the civic waste facility, may have different hours of waste acceptance.
<b>Hours of Waste Acceptance</b>	The hours during which the facility is authorised to accept waste. Different activities within the facility, such as the civic waste facility, may have different hours of waste acceptance.
<b>Industrial Waste</b>	As defined in Section 5(1) of the Act.
<b>Inert waste</b>	Waste that does not undergo any significant physical, chemical or biological transformations. Inert waste will not dissolve, burn or otherwise physically or chemically react, biodegrade or adversely affect other matter with which it comes into contact in a way likely to give rise to environmental pollution or harm human health. The total leachability and pollutant content of the waste and the ecotoxicity of the leachate must be insignificant, and in particular not endanger the quality of surface water and/or groundwater.
<b>Landfill Directive</b>	Council Directive 1999/31/EC
<b>Licence</b>	A Waste Licence issued in accordance with the Act.
<b>Licensee</b>	Reduce, Reuse and Recycle Limited
<b>Liquid Waste</b>	Any waste in liquid form and containing less than 2% dry matter. Any waste tankered to the facility.
<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>Mobile Plant</b>	Self-propelled machinery used for the emplacement of wastes or for the construction of specified engineering works.
<b>Monthly</b>	A minimum of twelve times per year, at approximately monthly intervals.
<b>Night-time</b>	10.00 p.m. to 8.00 a.m.
<b>Noise Exclusion Zone</b>	All areas of Site 2 that are within 20m of the northern boundary of the facility where no waste activities other than the movement and storage of baled cardboard and plastics shall take place.
<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>Putrescible Waste</b>	Waste that is composed of organic matter of such character and proportion that is readily biodegradable and likely to give rise to malodours and nuisance (e.g. food scraps)
<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>	South Dublin County Council
<b>Sample(s)</b>	Unless the context of this licence indicates to the contrary, samples shall include measurements by electronic instruments.
<b>Site 1</b>	As per Figure No. B.2.1 of the Waste Licence Application
<b>Site 2</b>	As per Figure No. B.2.1 of the Waste Licence Application
<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>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>	Contaminated water that has been used, as for washing, flushing or in a manufacturing process and so contains waste products.
<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 Figure No. B.2.1 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 enactment’s or regulations.
- 1.4. The maximum tonnage to be accepted at the facility shall not exceed the quantities specified in *Schedule A: Waste Acceptance* of this licence and shall be subject to the agreement of the Agency as per Condition 11.5.
- 1.5. Only those waste categories and quantities listed in *Schedule A: Waste Acceptance* of this licence, shall be accepted at the facility.
- 1.6. No hazardous wastes, liquid wastes, pre-segregated putrescible wastes or wastes liable to spill shall be accepted at the facility.
- 1.7. Waste Acceptance Hours
  - 1.7.1. Until the existing waste Building 1 has been rebuilt, Building 2 has been built and the noise control measures required by Condition 3.7 and 3.8 are completed, wastes may only be accepted at the facility from 7.30am to 8.00pm Monday to Saturday inclusive.
  - 1.7.2. Following the rebuilding of Building 1, the completion of Building 2 and the completion of noise control measures required by Condition 3.7 and 3.8 and subject to the agreement of the Agency, wastes may be accepted at the facility 24 hours per day, six days a week.
  - 1.7.3. Wastes shall not be accepted at the facility on Sundays or Bank Holidays.
- 1.8. Hours of Operation
  - 1.8.1. Until the existing waste Building 1 has been rebuilt, Building 2 has been built and the noise control measures required by Condition 3.7 and 3.8 are completed, the facility may only be operated from 7.00am to 8.30pm Monday to Saturday inclusive.
  - 1.8.2. Following the rebuilding of Building 1, the completion of Building 2 and the completion of the noise control measures required by Condition 3.7 and 3.8 and subject to the agreement of the Agency, the facility may be operated 24 hours per day, six days a week.
  - 1.8.3. The facility shall not be operated on Sundays or Bank Holidays.
- 1.9. 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.

1.10 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:

1.10.1 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;

1.10.2 That the licensee shall undertake the 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

1.10.3 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.

1.11 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.

1.12 This licence is being granted in substitution for the waste licence granted to the licensee on 21<sup>st</sup> December 2000 and bearing the waste licence Register No. 95-1. This licence supersedes the previous waste licence (Reg. No. 95-1).

**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 deputies, 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 Within three months from the date of grant of this licence, the licensee shall submit written details of the updated 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 Within six months from the date of grant of this licence, the licensee shall submit to the Agency for its agreement a revised 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

The Corrective Action Procedures shall detail the corrective actions to be taken should any of the procedures detailed in the EMS not be followed.

### 2.3.2.4 Awareness and Training Programme

The Awareness and Training Programme shall identify training needs, for personnel who work in or have responsibility for the licensed facility.

## 2.4 Communications Programme

2.4.1 The licensee shall establish and maintain a Communications Programme to inform and involve the local community and to ensure that members of the public can obtain information at the facility, at all reasonable times, concerning the environmental

performance of the facility. This shall be established within six months of the date of grant of this licence.

**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 as required by the conditions of this licence.

3.2 Specified Engineering Works

3.2.1 The licensee shall submit proposals for all Specified Engineering Works, as defined in *Schedule 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 maintain a Facility Notice Board on the facility so that it is legible to persons outside the main entrance to the facility. The minimum dimensions of the board shall be 1200 mm by 750 mm.

3.3.2 The board shall clearly show:

- 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 The security fence and gates shall be maintained at all locations around the facility boundary other than areas where a block wall currently exists. The base of the fencing shall be set in the ground.
- 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 Impermeable areas

- 3.5.1 The licensee shall provide clearly designated routes for the movement of traffic through the facility and all such areas shall be maintained in a manner suitable for heavy traffic.
- 3.5.2 The licensee shall ensure that all areas where wastes are handled/stored shall be impermeable.
- 3.5.3 Within six months of the date of grant of this licence the licensee shall carry out an integrity assessment of the floor(s) of the waste transfer building and carry out any remediation works as may be required.

### 3.6 Facility Office

- 3.6.1 The licensee shall 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 Transfer Buildings

- 3.7.1 Within eighteen months of the date of grant of the licence the licensee shall rebuild the existing waste transfer building (Building 1) incorporating the noise control measures as per Condition 3.8.2.
- 3.7.2 Within one month of the date of grant of the licence the licensee shall ensure that all doors, other than personnel doors, remain shut where practicable except during the movement and transfer of waste into and out of the building. Within three months of the date of grant of this licence, acoustic curtains shall also be provided inside all non-personnel doors.
- 3.7.3 All waste acceptance, processing and storage areas within the waste transfer buildings shall be clearly delineated and segregated from each other.

### 3.8 Noise Control Infrastructure

- 3.8.1 Within six months of the date of grant of this licence the licensee shall construct an acoustic barrier along the northern boundary of the facility. The composition and height of the acoustic barrier shall be agreed in advance with the Agency. Within six months of the date of grant of this licence, the licensee shall also provide an acoustic barrier inside Building 1 to the north of the waste handling/processing plant.

- 3.8.2 The licensee shall install acoustic cladding on the sidewalls and roof of the waste transfer buildings at the facility during construction. In addition low noise equipment/plant shall be used where available.
- 3.8.3 The licensee shall delineate a noise exclusion zone at the facility which shall cover all areas within 20m of the northern boundary of Site 2.
- 3.9 Waste Quarantine Area
- 3.9.1 A Waste Quarantine Area shall be provided and maintained at the facility.
- 3.9.2 This area shall be constructed and maintained in a manner suitable, and be of a size appropriate, for the quarantine of waste if required. The waste quarantine area shall be clearly identified and segregated from other waste handling/storage areas.
- 3.9.3 Drainage from the waste quarantine area shall be directed to the waste water drainage system.
- 3.10 Weighbridge
- 3.10.1 The licensee shall provide and maintain a weighbridge and at the facility.
- 3.10.2 Drainage from the weighbridge area shall be directed to the foul water drainage system.
- 3.11 Waste handling, ventilation and processing plant
- 3.11.1 Items of plant deemed critical to the efficient and adequate processing of waste at the facility (including *inter alia* waste loading vehicles and ejector trailers) shall be provided on the following basis:
- 100% duty capacity;
  - 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.
- 3.11.2 Within three months from the date of grant of this licence, the licensee shall provide a report for the agreement of the Agency detailing the duty and standby capacity in tonnes per day, of all waste handling and processing equipment to be used at the facility. These capacities shall be based on the licensed waste intake, as per *Schedule A: Waste Acceptance* of this licence.
- 3.11.3 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.
- 3.12 Tank and Drum Storage Areas
- 3.12.1 All tank and drum storage areas shall be rendered impervious to the materials stored therein.
- 3.12.2 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.
- 3.12.3 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 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 at least once every three years.
- 3.13 Surface water infrastructure
- 3.13.1 The licensee shall provide a drainage system for the collection of clean surface waters at the facility. The drainage system shall discharge to the surface water drain located to the north of the facility via the existing surface water discharge point.
- 3.13.2 The licensee shall install and maintain a silt trap and oil interceptor at the facility to ensure that all surface water discharges from the facility pass through a silt trap and oil interceptor prior to discharge. The interceptor shall be a Class I interceptor and the silt trap and interceptor shall be in accordance with European Standard prEN 858 (installations for the separation of light liquids).
- 3.14 Wastewater infrastructure
- 3.14.1 All areas where waste is handled, processed and stored shall drain to the waste water system. Wastewater from the on-site vehicle wash shall also be directed to the wastewater system.
- 3.14.2 The licensee shall construct kerbing and a screen around the on-site vehicle wash to ensure that wastewaters drain to the sewer.
- 3.15 Drainage system, pipeline testing
- 3.15.1 All sewer gullies, drainage grids and manhole covers shall be painted with red squares whilst all surface water gullies, drainage grids and manhole covers shall be painted with blue triangles. These colour codes shall be maintained so as to be visible at all times during facility operation, and any identification designated in this licence (e.g. SW1) shall be inscribed on these manholes.
- 3.15.2 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.
- 3.15.3 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.
- 3.16 Monitoring Infrastructure
- 3.16.1 Replacement of Infrastructure
- (i) 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.

<b>REASON:</b> <i>To provide appropriate infrastructure for the protection of the environment.</i>
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## **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 twelve months of the date of grant of this licence. The licensee shall update these schemes when required by the Agency.

<b>REASON:</b> <i>To provide for the restoration of the facility</i>
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## **CONDITION 5 FACILITY OPERATIONS**

- 5.1 All waste processing shall be carried out inside the waste transfer buildings.
- 5.2 No wastes shall be accepted at Site 2 without the prior agreement of the Agency. Unless otherwise agreed with the Agency only pre-segregated cardboard and plastics may be accepted at Site 2.
- 5.3 Waste Acceptance and Characterisation Procedures
- 5.3.1 Prior to commencement of any new waste processes/procedures at the facility the licensee shall submit to the Agency revised written procedures for the acceptance and handling of wastes in the new building.
- 5.3.2 Waste arriving at the facility shall be weighed, documented and directed to the relevant 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.
- 5.3.3 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.
- 5.3.4 A record of all inspections of incoming waste loads shall be maintained.
- 5.3.5 There shall be no casual public access to the facility.
- 5.4 Operational Controls
- 5.4.1 The floor of the waste transfer building shall be washed down and cleared of all waste on a daily basis.
- 5.4.2 All waste handling/processing plant shall be cleared of all waste and washed down on a weekly basis.
- 5.4.3 Scavenging shall not be permitted at the facility.
- 5.4.4 Gates shall be locked shut when the facility is unsupervised.
- 5.4.5 The licensee shall provide and use adequate lighting during the operation of the facility in hours of darkness.
- 5.4.6 Fuels and oils shall only be stored at appropriately bunded locations on the facility.

- 5.4.7 All tanks and drums shall be labelled to clearly indicate their contents.
- 5.4.8 No smoking shall be allowed on the facility (other than in an area to be agreed with the Agency).
- 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 contractor agreed by the Agency. Any request for such agreement of a waste carrier shall include the following:
- (i) Copies of the waste carriers permit(s) under the Waste Management (Collection) 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 for either recovery or disposal shall only be transferred to an appropriate facility agreed by the Agency. Unless otherwise agreed with the Agency any request for agreement of such a facility shall include the following:
- (i) In the case of a facility with a waste permit, a copy of the waste permit. In the case of a facility with a waste licence the waste licence reference number.
  - (ii) Details of the waste types it is proposed to transfer off-site to the facility.
  - (iii) Details of agreements between the carrier/licensee and the facility including any limitations on the waste types and quantities acceptable at the facility due to permit/licence conditions or otherwise.
- 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 Noise Control Measures
- 5.6.1 No processing of waste other than the movement and storage of baled cardboard and plastics shall take place inside the noise exclusion zone on Site 2.
- 5.6.2 The waste shredder(s) and trommel(s) shall not be operated between the hours of 10.00pm and 6.00am.
- 5.6.3 Prior to the completion of Building 2, the licensee shall not use Site 2 for the movement of skips and/or vehicles between the hours of 8.30pm and 7.00am.
- 5.6.4 The licensee shall only use the entrance-exit located at the north-eastern corner of the facility. The entrance-exit located on Site 2 shall be kept closed and shall only be used in emergencies.
- 5.6.5 All waste vehicles kept on-site overnight shall be parked to the south of building 1 only.
- 5.7 Construction and Demolition Waste Recovery Area
- 5.7.1 Within three months of the date of grant of this licence licensee shall agree acceptance, storage and handling procedures for dealing construction and demolition wastes.
- 5.7.2 All stockpiles shall be maintained so as to minimise dust generation.



5.8 Wastewater Management

5.8.1 All wastewater generated at the facility shall be collected and discharged to the sewer.

5.9 Surface Water Management

5.9.1 All clean surface water and roof waters shall be collected and discharged to the surface water drainage system.

5.10 Maintenance

5.10.1 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.

5.10.2 The licensee shall maintain and clearly label and name all sampling and monitoring locations.

5.10.3 The licensee shall maintain all waste handling/processing plant in accordance with the manufacturers instructions.

5.11 Landscaping

5.11.1 Within six months of the date of grant of this licence, the licensee shall implement a programme for the landscaping/planting along the northern boundary of the facility. The programme shall include details on (but not limited to):

- a) the time-frame for landscaping works in relation to facility development;
- b) total area(s) to be planted;
- c) tree protection; and
- d) post planting management

5.12 Traffic Management

5.12.1 Within three months of the date of grant of this licence the licensee shall agree with the Agency and implement a traffic management plan at the facility to ensure the safe and efficient movement of traffic within the facility. The plan shall be reviewed on a six monthly basis.

<p><b>REASON:</b> <i>To provide for appropriate operation of the facility to ensure protection of the environment.</i></p>
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## 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. Emissions to Surface Water

- 6.3.1 No substance shall be discharged in a manner, or at a concentration which, following initial dilution causes tainting of fish or shellfish.
- 6.3.2 All surface water discharges from the facility shall be made via one discharge point.
- 6.4. There shall be no emissions to groundwater.
- 6.5. There shall be no clearly audible tonal component or impulsive component in the noise emissions from the activity at the noise sensitive locations.
- 6.6. Disposal of Wastewater
  - 6.6.1 No wastewater shall be discharged to surface water.
- 6.7. Emissions to Sewer
  - 6.7.1 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 0130-03C Rev C of the application. There shall be no other discharge or emission to sewer of environmental significance.
  - 6.7.2 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.
  - 6.7.3 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.
  - 6.7.4 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.
  - 6.7.5 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.
  - 6.7.6 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.
  - 6.7.7 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.
  - 6.7.8 The licensee shall submit monitoring results to the Sanitary Authority on an annual basis.
  - 6.7.9 All discharges to sewer shall be screened prior to discharge to remove gross solids and avoid blockages in the sewer.
  - 6.7.10 Materials, liquids and/or sludges classified as hazardous waste by the second schedule of the Waste Management Act, 1996, may not be discharged to sewer.

- 6.7.11 A log detailing the usage of all cooling water and boiler water treatment chemicals shall be kept by the licensee and submitted to the Sanitary Authority on an annual basis.

**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 putrescible waste for disposal that is stored overnight at the facility, shall be stored in suitably covered and enclosed containers within the Waste Transfer Building, and shall be removed from the facility within 24 hours of its arrival at the facility.
- 7.4.2 Within three months of the date of grant of this licence the licensee shall agree and implement odour control techniques for the temporary storage of any putrescible organic wastes that are separated from the incoming waste streams at the facility.
- 7.4.3 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.
- 7.4.4 Prior to the acceptance of waste in Building 2, the licensee shall install and provide adequate measures for the control of odours and dust emissions from the facility. Unless otherwise agreed with the Agency such measures shall include the following:
- 7.4.4.1 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.
- 7.4.4.2 Installation of an odour management system.

**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* of this licence and as specified in this licence. Unless otherwise specified by this licence, all environmental monitoring shall commence no later than one month 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 Within one month of the date of grant of this licence, 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 Noise Monitoring
- 8.8.1 The licensee shall carry out noise monitoring at the locations set out in *Schedule D: Monitoring* of this licence.
- 8.9 Wastewater Monitoring
- 8.9.1 Wastewater monitoring shall be undertaken as set out in *Schedule D: Monitoring* of this licence.
- 8.10 Surface Water Monitoring
- 8.10.1 The licensee shall carry out surface water monitoring at the locations set out in *Schedule D: Monitoring* of this licence.
- 8.11 Dust Monitoring
- 8.11.1 Emissions to Atmosphere & Air Quality Monitoring shall be undertaken as set out in *Schedule D: Monitoring* of this licence.
- 8.12 Nuisance Monitoring

- 8.12.1 The licensee shall on a daily basis inspect the facility and its immediate surrounds for nuisances caused by litter, vermin, birds, flies, mud, dust and odours.

<b>REASON:</b>	<i>To ensure compliance with the conditions of this licence by provision of a satisfactory system of monitoring of emissions</i>
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## 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, within six months of the date of grant of this licence, submit a revised 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 fire water retention facilities. The Fire Authority shall be consulted by the licensee during this assessment. The ERP shall be updated following the commissioning of Site 2.
- 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 the waste collection permit 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;
  - 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; and
  - 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) all training undertaken by facility staff;
  - c) results from all integrity tests of bunds and other structures and any maintenance or remedial work arising from them;
  - d) details of daily nuisance inspections; and
  - e) 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/sewer water, notify Eastern Regional Fisheries Board 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

Within nine months of the date of grant of this licence, 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 Construction and Demolition Waste;
- d) the recovery of metal waste and white goods including written procedures for the de-gassing of CFC's from refrigerators;
- e) the recovery of commercial waste, including cardboard;

11.4 Vermin and Flies

11.4.1. Within one month of the date of this licence, the licensee shall submit to the Agency for its agreement a proposal for the control and eradication of vermin and fly infestations at the facility. This proposal should include as a minimum, operator training, details on the rodenticide(s) and insecticide(s) to be used, mode and frequency of application and measures to contain sprays within the facility boundary.

11.5 Waste Acceptance Report

11.5.1. Prior to increasing the annual waste intake as provided for in *Schedule A: Waste Acceptance*, of this licence, the licensee shall submit a report to the Agency for its agreement demonstrating that the licensee has provided sufficient waste handling capacity including 50% back-up capacity. The annual waste intake tonnage shall not increase without the prior agreement of the Agency.

11.6 Noise Control Report

11.6.1. The licensee shall submit a report to the Agency following the completion of all of the noise control measures as required by this licence demonstrating how the measures have been implemented. The licensee may only operate Site 1 following the agreement of the Agency as per Condition 1.7.2.

11.7 Monitoring Locations



11.7.1. 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.

#### 11.8 Annual Environmental Report

11.8.1 The licensee shall submit to the Agency for its agreement one month after the end of each calendar year, an Annual Environmental Report (AER).

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

**REASON:** *To provide for proper reporting and notification of 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 €21,357 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**

*Where the proposed waste transfer Building 2 has been developed on Site 2*

WASTE TYPE	Phase I	Phase II	Phase III
Co-mingled Commercial and Industrial	5,000	5,000	5,000
Pre-segregated cardboard and plastics	50,550	100,520	110,520
C &D	3,000	3,000	3,000
TOTAL	58,550	108,520	118,520

**Phase I** – From the date of grant of this licence

**Phase II** – Following the construction and commissioning of Building 2

**Phase III** – Following the completion of Phase II, the rebuilding of Building 1 and removal of auxiliary activities off-site (i.e. maintenance workshop, skip storage, etc.)

**Table A.2**

*Where for planning or other reasons Building 2 has not been developed on Site 2*

WASTE TYPE	Scenario 1	Scenario 2 <sup>Note 1</sup>
Commingled Commercial and Industrial	5,000	5,000
Pre-segregated cardboard and plastics	50,550	75,000
C &D	3,000	3,000
TOTAL	58,550	83,000

**Note 1:** The tonnage of pre-segregated cardboard and plastic waste may be increased with the prior agreement of the Agency provided that the total amount of these wastes accepted at the facility does not exceed the combined tonnage of 93,000 per annum (as specified in the total above).

**Scenario 1** – From the date of grant of this licence

**Scenario 2** – Following the rebuilding of the Building 1 and the removal of auxiliary services off-site (i.e. workshop, skip storage, etc.)

## SCHEDULE B : Specified Engineering Works

Specified Engineering Works
Installation of silt trap(s), oil interceptor(s) and drainage systems
Installation of dust/odour control system
Installation/construction of any noise control measures
Installation of waste handling, processing, recycling/recovery infrastructure and installation of increased waste processing capacity.
Construction of waste transfer building(s)
The provision of site roads/impermeable areas
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 <sub>Aeq</sub> (30 minutes)	Night dB(A) L <sub>Aeq</sub> (30 minutes)
55	45

**C.2 Dust Deposition Limits:** (Measured at three locations to be agreed with the Agency)

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 points SW-1 as per Figure 2.6.2 of the application unless otherwise agreed with the Agency)

Parameter	Emission Limit Value (mg/l)
<b>Suspended Solids</b>	30
<b>BOD</b>	20
<b>Mineral oils</b>	5

#### C.4 Emission Limits for wastewater discharge to Sewer

**Emission Point Reference No:** FW-1 as per **Figure 2.6.2** of the application unless otherwise agreed with the Agency

**Volume to be emitted:** Maximum in any one day: 10m<sup>3</sup>  
Maximum rate per hour: 2m<sup>3</sup>/hr

Parameter	Emission Limit Value		
	Grab Sample (mg/l)	Daily Mean Concentration (mg/l)	Daily Mean Loading (kg/day)
<b>BOD</b>	6000	5000	50
<b>COD</b>	18000	15000	150
<b>Ammoniacal Nitrogen</b>	100	70	0.7
<b>Suspended solids</b>	2000	1500	15
<b>Sulphate (as SO<sub>4</sub>)</b>	500	400	4.0
<b>pH</b>	6-10	6-10	-
<b>Temperature</b>	42°C	42°C	-
<b>Fats, Oils and Greases</b>	100	100	1.0
<b>Detergents (as MBAS)</b>	100	100	1.0

## 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.1.1 and as per *Schedule C: Emission Limits* of this licence.

**Table D.1.1 Noise monitoring locations**

NOISE STATIONS
N1 <sup>Note 1</sup>
N3 <sup>Note 1</sup>
N5 <sup>Note 1</sup>
N7 <sup>Note 2</sup>
N8 <sup>Note 2</sup>

Note 1 – As per Figure 2.3.1 of the waste licence application

Note 2 – Additional points to be located at the private residences to the east and north of the facility

## 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	Quarterly	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.

## 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]	Quarterly	Standard <sup>Note 1</sup>
L(A) <sub>10</sub> [30 minutes]	Quarterly	Standard <sup>Note 1</sup>
L(A) <sub>90</sub> [30 minutes]	Quarterly	Standard <sup>Note 1</sup>
Frequency Analysis(1/3 Octave band analysis)	Quarterly	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	To be agreed

**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.

## D.5 Wastewater Emissions

**Table D.5.1 Waste Water Monitoring Frequency and Techniques**

Parameter	Monitoring Frequency	Analysis Method/Technique
<b>PH</b>	Quarterly	Electrometry
<b>Biological Oxygen Demand</b>	Quarterly	Standard Methods <sup>Note 1</sup>
<b>Chemical Oxygen Demand</b>	Quarterly	Standard Methods <sup>Note 1</sup>
<b>Suspended Solids</b>	Quarterly	Standard Methods <sup>Note 1</sup>
<b>Fats, Oils, Grease</b>	Quarterly	To be agreed
<b>Temperature</b>	Quarterly	Temperature probe
<b>Sulphates (as SO<sub>4</sub>)</b>	Quarterly	Standard Methods <sup>Note 1</sup>
<b>Ammoniacal Nitrogen</b>	Quarterly	Standard Methods <sup>Note 1</sup>
<b>Detergents (as MBAS)</b>	Quarterly	To be agreed

**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:** The licensee shall meter and record all water usage on-site as an estimation of flow to sewer.

## 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	One month after the end of each calendar year.
<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 Groundwater Quality</b>	Quarterly	Ten days after end of the quarter being reported on.
<b>Monitoring of Foul water</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) and associated data for National reporting

Summary report on emissions and compliance

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 foul water produced.

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 10th day of March 2003

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Patrick J. Nolan, **Authorised Person**