

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

## PROPOSED DECISION

<b>Waste Licence</b>	147-1
<b>Register Number:</b>	
<b>Applicant:</b>	Ashgrove Plant Limited (trading as Ashgrove Recycling)
<b>Location of Facility:</b>	Churchfield Industrial Estate, Churchfield, Cork

# 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 Churchfield Industrial Estate, Churchfield, Cork.

Ashgrove Plant Ltd. (trading as Ashgrove Recycling) will be licensed to accept non-hazardous wastes (primarily Construction and Demolition and Commercial Waste) only at this facility. The wastes will be processed within a Materials Recovery Building with the recyclable materials (e.g. glass, metal, cardboard, wood, woodchips, soils, stone, plastic, paper) removed and the residual waste sent to landfill. The quantity of waste to be accepted at the facility is limited to 50,000 tonnes.

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 conditions of this licence set out in detail the legal constraints under which Ashgrove Plant Ltd. (trading as Ashgrove Recycling) will operate and manage this facility.

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# 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 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 Ashgrove Plant Limited (trading as Ashgrove Recycling), Lehenaghmore, Togher, Co. Cork to carry on the waste activity/activities listed below at Churchfield Industrial Estate subject to twelve 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 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> Reason: This activity is limited to storage prior to bulking and transfer of waste for disposal off site.
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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 recovery of cardboard, paper, wood and plastic.
<b>Class 3.</b>	<b>Recycling or reclamation of metals and metal compounds:</b> This activity is limited to the recovery of steel and metals.
<b>Class 4.</b>	<b>Recycling or reclamation of other inorganic materials:</b> This activity is limited to glass, construction and demolition waste and other inert wastes.
<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>Aerosol</b>	A suspension of solid or liquid particles in a gaseous medium.
<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>BATNEEC</b>	Best Available Technology Not Entailing Excessive Cost as defined in Section 5(2) of the Act.
<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>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>Foul water</b>	Sewage and drainage from the materials recovery building, wheelwash, ramp, weighbridge, vehicle cleaning, ejector trailer parking areas and run-off

from hardstanding areas associated with waste processing.

<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>Landfill Directive</b>	Council Directive 1999/31/EC
<b>Licence</b>	A Waste Licence issued in accordance with the Act.
<b>Licensee</b>	Ashgrove Plant Limited (t/a Ashgrove Recycling)
<b>Liquid Waste</b>	Any waste in liquid form and containing less than 2% dry matter. Any waste tankered to the facility.
<b>Local Authority</b>	Cork City Council
<b>Maintain</b>	Keep in a fit state, including such regular inspection, servicing, calibration and repair as may be necessary to adequately perform its function.
<b>Mobile Plant</b>	Self-propelled machinery used for the emplacement of wastes or for the construction of specified engineering works.
<b>Municipal waste</b>	As defined in Section 5(1) of the Act.
<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 City 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>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>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>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 No. APHL/01 entitled 'Site Location Map, Scale 1:2500' 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 of waste to be accepted at the facility shall not exceed 50,000 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.
- 1.6. No hazardous wastes or liquid wastes shall be accepted at the facility.
- 1.7. Waste Acceptance Hours and Hours of Operation
  - 1.7.1. Waste shall only be accepted and processed at the facility between the hours of 7:30 a.m. to 7:30 p.m. Monday to Friday inclusive and 9:00a.m. to 2:00 p.m. on Saturdays.
  - 1.7.2. The facility shall only be operated during the hours of 7:00a.m. to 8:00 p.m. Monday to Friday inclusive and 8:30 am to 2:30 p.m. on Saturdays.
  - 1.7.3. Waste shall not be accepted at the facility on Sundays or on Bank Holidays.
- 1.8. 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.
- 1.9. 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:
  - 1.9.1. 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;
  - 1.9.2. 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
  - 1.9.3. 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.

- 1.10 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 at this facility 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. Within six months from the date of grant of this licence, 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

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 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 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 this facility without the prior written 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.
- 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 at this facility, security and stockproof fencing and gates shall be installed and maintained by the licensee as described in Attachment D.1(a) – Site Security.
- 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 Hardstanding

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

- 3.5.2 The licensee shall provide, and maintain an impermeable hardstanding surface in the areas of the facility as described in Attachment D.1(C) of the application. In addition, the floor of the buildings and hardstanding areas at the facility shall be concreted and 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 and Quarantine Areas
- 3.7.1 Prior to the commencement of waste activities at this facility the licensee shall provide a waste Inspection Area and a Waste Quarantine Area within the Materials Recovery Building.
- 3.7.2 These areas shall be constructed and maintained in a manner suitable, and be of a size appropriate, for the inspection of waste and subsequent quarantine if required. The waste inspection area and the waste quarantine area shall be clearly identified and segregated from each other.
- 3.8 Weighbridge and Wheel Cleaning
- 3.8.1 Prior to the commencement of waste activities at this facility the licensee shall provide and maintain a weighbridge and wheelwash at the facility.
- 3.9 Materials Recovery Building
- 3.9.1 All waste acceptance, processing, and storage areas within the Materials Recovery Building shall be clearly segregated from each other.
- 3.10 Waste handling, ventilation and processing plant
- 3.10.1 Items of plant deemed critical to the efficient and adequate processing of waste at the facility (including *inter alia* waste loading vehicles and ejector trailers) shall be provided on the following basis:
- 100% duty capacity;
  - 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.
- 3.10.2 Prior to the commencement of waste activities at this facility, the licensee shall provide a report for the agreement of the Agency detailing the duty and standby capacity in tonnes per day, of all waste handling and processing equipment to be used at the facility. These capacities shall be based on the licensed waste intake, as per *Schedule A: Waste Acceptance* of this licence.
- 3.10.3 The quantity of waste to be accepted at the facility on a daily basis shall not exceed the duty capacity of the equipment at the facility. Any exceedance of this intake shall be treated as an incident.
- 3.11 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 Silt Traps and Oil Separators/Interceptors

- 3.12.1 The licensee shall install and maintain silt traps and oil interceptors 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 interceptors shall be a Class II full retention interceptor and the silt traps and interceptors shall be in accordance with European Standard prEN 858.

### 3.13 Drainage system, pipeline testing

- 3.13.1 Prior to the commencement of waste activities at this facility, all foul sewer gullies, drainage grids and manhole covers shall be painted with red squares whilst all surface water discharge gullies, drainage grids and manhole covers shall be painted with blue triangles. These colour codes shall be maintained so as to be visible at all times during facility operation, and any identification designated in this licence (e.g. SW1) shall be inscribed on these manholes.
- 3.13.2 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.
- 3.13.3 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.

### 3.14 Construction and Demolition Waste Recovery Area.

- 3.14.1 The licensee shall provide and maintain a construction and demolition area internally within the Materials Recovery Building. This infrastructure shall at a minimum comprise the following:
- a) an impermeable concrete slab; and
  - b) collection and disposal infrastructure for all run-off.

- c) appropriate bunding to provide visual and noise screening
- d) All stockpiles shall be adequately contained to minimise dust generation.

### 3.15 Monitoring Infrastructure

#### 3.15.1 Foulwater monitoring Infrastructure

3.15.1.1 Prior to commencement of waste activities at this facility, the licensee shall provide, install and maintain, a monitoring point(s) for the representative sampling of the final foul water discharges from the facility. A shut-off valve shall be incorporated into the design to stop this discharge if so required. The location of this monitoring station shall have the prior agreement of the Agency. The licensee shall provide, install and maintain a system for monitoring and recording the discharge volume/flow to foul sewer subject to any agreed alteration by the Sanitary Authority. The licensee shall submit this proposal for the agreement of the Agency prior to installation.

#### 3.15.2 Surface water monitoring infrastructure

3.15.2.1 Prior to commencement of waste activities at this facility, the licensee shall provide, install and maintain, a monitoring station(s) for the representative sampling of the final surface water discharge from the facility. A shut-off valve shall be incorporated into the design to stop this discharge if so required. The location of this monitoring station shall have the prior agreement of the Agency.

### 3.16 Replacement of infrastructure

- (i) Monitoring infrastructure which is damaged or proves to be unsuitable for its purpose shall be replaced within two months of it being damaged or recognised as being unsuitable.

**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 six months of the date of grant of this licence. 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 Materials Recovery Building.

5.2 Waste Acceptance and Characterisation Procedures

5.2.1 Prior to commencement of waste acceptance at the facility, the licensee shall 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 Materials Recovery Building. Each load of waste arriving at the Materials Recovery 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 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.

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

5.2.5 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.

### 5.3 Operational Controls

5.3.1 The floor of the Materials Recovery 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.

5.3.2 All doors of the Materials Recovery Building shall be kept fully shut with noise mitigation measures in place when the concrete/stone crusher, trommel, or timber shredder are in operation.

5.3.3 Scavenging shall not be permitted at the facility.

5.3.4 Gates shall be locked shut when the facility is unsupervised.

5.3.5 The licensee shall provide and use adequate lighting during the operation of the facility in hours of darkness.

5.3.6 Fuels shall only be stored at appropriately bunded locations on the facility.

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

5.3.8 No smoking shall be allowed on the facility other than in a designated area where it is safe to do so.

### 5.4 Off-site Disposal and Recovery

5.4.1 Waste sent off-site for recovery or disposal shall only be conveyed by a waste contractor agreed by the Agency;

5.4.2 All waste transferred from the facility shall only be transferred to an appropriate facility agreed by the Agency;

5.4.3 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.

### 5.5 Construction and Demolition Waste Recovery Area

5.5.1 Only Construction and Demolition waste shall be accepted at this Area. Wastes which are capable of being recovered shall be separated and shall be stored temporarily in this area prior to being subjected to other recovery activities at the facility or transport off the facility.

5.5.2 All stockpiles shall be maintained so as to minimise dust generation

#### 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 compactor and shredder in accordance with the manufacturers instructions.

#### 5.7 Landscaping

5.7.1 Landscaping of the facility shall be based on the landscaping programme (received by the Agency on the 18 January 2001) and shall be commenced within six months of the date of grant of this licence. The landscaping programme shall also take account of the mitigation measures proposed in the ecological evaluation of the site and measures to reduce noise at neighbouring facilities.

***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. There shall be no direct 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. Emissions to Storm water sewer
- 6.6.1. Only uncontaminated surface water shall be discharged to the Cork City Council storm water sewer located to the North of the facility.
- 6.7. Emissions to Foulwater Sewer
- 6.7.1. All foul water from the facility shall be discharged to the Cork City Council sewer located to the North of the facility.
- 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.
- 6.8. Emission limit values for foul 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, **noise**, 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 Noise Control
- 7.3.1 Prior to the commencement of waste activities at this facility and subject to agreement with the Agency the licensee shall install suitable noise mitigation measures within the Materials Recovery Building. A noise reduction programme shall be implemented at the facility and progress reported in the AER.
- 7.3.2 The location and operation of the stone crusher and the woodchipper within the Materials Recovery Building shall have the prior agreement of the Agency.
- 7.4 Litter Control
- 7.4.1 All loose litter or other waste, placed on or in the vicinity of the facility, other than in accordance with the requirements of this licence, shall be removed, subject to the agreement of the landowners, immediately and in any event by 10.00am of the next working day after such waste is discovered.
- 7.4.2 The licensee shall ensure that all vehicles delivering waste to and removing waste and materials from the facility are appropriately covered.
- 7.5 Dust/Odour Control
- 7.5.1 All waste for disposal stored overnight at the facility, shall be stored in suitably covered and enclosed containers within the Materials Recovery Building, and shall be removed from the facility within forty eight hours of its arrival at the facility.
- 7.5.2 In dry weather, site roads and any other areas used by vehicles shall be sprayed with water as and when required to minimise airborne dust nuisance.
- 7.5.3 Prior to the commencement of waste activities at this facility, the licensee shall install and provide adequate measures for the control of odours and dust emissions, including fugitive dust emissions, from the facility. Such measures shall at a minimum include the following:
- 7.5.3.1 Dust curtains shall be maintained on the entry/exit points from the Materials Recovery Building, all other doors in this building shall be kept closed where possible.
- 7.5.3.2 Installation of an odour and dust management system.
- 7.6 The licensee shall ensure that the proposed washed sand and gravel storage area as described in Section H.1 (documentation submitted to the Agency dated 20 September 2001) shall not give rise to nuisance at the facility or the immediate area of the facility. Any method used by the licensee to control any such nuisance shall not cause environmental pollution.
- 7.7 Prior to exiting the facility, all waste vehicles shall use the wheelwash.

**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 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. Within two months 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. All automatic monitors and samplers shall be functioning at all times (except during maintenance and calibration) when the activity is being carried on, unless alternative sampling or monitoring has been agreed, in writing, by the Agency for a limited period. In the event of the malfunction of any continuous monitor, the licensee shall contact the Agency as soon as practicable, and alternative sampling and monitoring facilities shall be put in place. Prior written agreement for the use of alternative equipment, other than in emergency situations, shall be obtained from the Agency.
- 8.9. Archaeological Assessment
  - 8.9.1. Prior to the development of any undisturbed area, the advice of Dúchas the Heritage Service shall be sought. On completion of such development a report of the results of any archaeological monitoring shall be submitted to Dúchas and to the Agency.
- 8.10. Nuisance Monitoring

- 8.10.1. 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, within six months of the date of grant of this licence, 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 fire water 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) 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 all 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; and
- c) in the event of any incident which relates to discharges to surface/sewer water, notify Cork City Council and the South Western 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.
- 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 twelve 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;
- f) composting of biodegradable or green waste at the facility having regard to good practice and sustainability.

### 11.4 Vermin and Flies

11.4.1. Within three months of the date of grant 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 Monitoring Locations

11.5.1. Within two 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.

### 11.6 Annual Environmental Report

11.6.1 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).

11.6.2 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 €11,664.00 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 2003 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 2002, 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.

### 12.3 Sanitary Authority Charges

12.3.1 On an annual basis the licensee shall pay the Sanitary Authority, Cork City Council a fee of €1,136.42. Charges are subject to price variation in the future as may be ordered by the Sanitary Authority.

**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)
Construction and Demolition	25,000
Commercial	23,000
Industrial Waste not elsewhere specified	2,000
TOTAL	50,000

## SCHEDULE B : Specified Engineering Works

Specified Engineering Works
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 Schedule D, Table D.1.1 of this PD

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

### C.2 Dust Deposition Limits: Measured at the monitoring points indicated in Schedule D, Table D.1.1 of this PD

Level ( $\text{mg}/\text{m}^2/\text{day}$ ) <sup>Note 1</sup>
350

Note 1: 30 day composite sample with the results expressed as  $\text{mg}/\text{m}^2/\text{day}$ .

**C.3 Surface Water Discharge Limits to Stormwater Sewer (Monitoring point to be agreed with the Agency).**

Parameter	Emission Limit Value
Mineral oils	100mg/l

**C.4 Emission Limits for Foul Water Emissions to Foulwater Sewer**

Emission Point Reference No. **To be agreed with the Agency prior to commencement of activities at this facility**

Volume to be emitted: Maximum in any one day: 20m<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	1000	600	9
COD	2000	1200	18
Ammoniacal Nitrogen	20	12	0.2
Suspended solids	300	180	2.7
Sulphate (as SO <sub>4</sub> )	100	60	1
pH	5-10	5-10	
Temperature	40	30	
Detergents (as MBAS)	100	100	2
Fats, oils and greases	100	50	1
Toxicity <sup>note 1</sup>	20 t.u.		

Note 1: Toxic unit (tu) = 100/48 hour EC<sub>50</sub>

## 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.

**Table D.1.1 Noise, surface water, foul water and dust monitoring locations**

NOISE <sup>1</sup>	SURFACE WATER	FOUL WATER	DUST <sup>1</sup>
STATIONS	STATIONS	STATIONS	STATIONS
M1	To be agreed	To be agreed	D1
M2			D2
M3			D3
M4			D4

Note 1: As specified in Drawing No.1 entitled 'Monitoring Points (July 2001) of the waste licence application received by the Agency on the 27/08/01.

## 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	Three 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:** Twice 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]	Bi-Annually	Standard <sup>Note 1</sup>
L(A) <sub>10</sub> [30 minutes]	Bi-Annually	Standard <sup>Note 1</sup>
L(A) <sub>90</sub> [30 minutes]	Bi-Annually	Standard <sup>Note 1</sup>
Frequency Analysis(1/3 Octave band analysis)	Bi-Annually	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
<b>pH</b>	Bi-annually	Electrometry
<b>Biological Oxygen Demand</b>	Bi-annually	Standard Methods <sup>Note 1</sup>
<b>Suspended Solids</b>	Bi-annually	Standard Methods <sup>Note 1</sup>
<b>Mineral Oils</b>	Bi-annually	Standard Methods <sup>Note 1</sup>
<b>Ammoniacal Nitrogen</b>	Bi-annually	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.

## D.5 Foul Water Emissions

Table D.5.1 Foul water Monitoring Frequency and Techniques

Parameter	Monitoring Frequency	Analysis Method/Technique
Flow	Daily	To be agreed with the Agency
pH	Monthly	Electrometry <sup>Note 2</sup>
Chemical Oxygen Demand	Monthly	Standard Methods <sup>Note 1,2</sup>
Biological Oxygen Demand	Monthly	Standard Methods <sup>Note 1,2</sup>
Suspended Solids	Monthly	Standard Methods <sup>Note 1,2</sup>
Fats, Oils, Grease	Monthly	Standard Methods <sup>Note 1,2</sup>
Temperature	Monthly	Temperature probe <sup>Note 2</sup>
Sulphates	Monthly	Standard Methods <sup>Note 1,2</sup>
Ammoniacal nitrogen	Monthly	Standard Methods <sup>Note 1,2</sup>
Detergents (as MBAS)	Monthly	Standard Methods <sup>Note 1,2</sup>
Toxicity	Annually	To be agreed with the Agency

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

Note 2: Based on a 24-hour composite sample

## SCHEDULE E : Recording and Reporting to the Agency

Report	Reporting Frequency <sup>Note 1</sup>	Report Submission Date
Environmental Management System Updates	Annually	One month after the end of the year reported on.
Annual Environment Report (AER)	Annually	Thirteen months from the date of grant of licence and one month after the end of each calendar year thereafter.
Record of incidents	As they occur	Within five days of the incident.
Bund, tank and container integrity assessment	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.
Specified Engineering Works reports	As they arise	Prior to the works commencing.
Monitoring of Surface Water Quality	Bi-annually	Ten days after end of the quarter being reported on.
Monitoring of Foul water	Quarterly	Ten days after end of the quarter being reported on.
Dust Monitoring	Three times a year	Ten days after the period being reported on
Noise Monitoring	Bi-annually	One month after end of the period being reported on.
Any other monitoring	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.

### **Noise reduction measures**

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 and volume of foul water 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 14th day of February 2002

\_\_\_\_\_  
**Larry Kavanagh      Authorised Person**