



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

WASTE LICENCE  
PROPOSED DECISION

<b>Waste Licence Register Number:</b>	61-1
<b>Applicant:</b>	<b>Mr Binman Ltd.</b>
<b>Location of Facility:</b>	Luddenmore, Grange Kilmallock, Co. Limerick

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## Reasons for the Proposed Decision

The Agency is satisfied, on the basis of the information available, that subject to compliance with the conditions of this licence any emissions from the activity will comply with and not contravene any of 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, submissions received from third parties and the report of its inspector.

### Part I: Activities Licenced

In pursuance of the powers conferred on it by the Waste Management Act, 1996, the Environmental Protection Agency (the Agency) proposes, under Section 40(1) of the said Act to grant this Waste Licence to Mr. Binman Ltd. to carry on the waste activities listed below at Luddenmore, Grange, Kilmallock, Co. Limerick subject to 11 No. Conditions, with the reasons therefor and the associated schedules attached thereto as set out in the licence.

*Licensed waste disposal activities, in accordance with the Third Schedule of the Waste Management Act, 1996*

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

Class 13 : Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.

*Licensed waste recovery activities, in accordance with the Fourth Schedule of the Waste Management Act, 1996*

Class 2 : Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes).

Class 3 : Recycling or reclamation of metals and metal compounds.

Class 4 : Recycling or reclamation of other inorganic materials.

Class 10 : The treatment of any waste on land with a consequential benefit for an agricultural activity or ecological system.

Class 13 : Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced.

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## INTERPRETATION

Act	The Waste Management Act, 1996 (No. 10 of 1996)
Adequate lighting	20 lux measured at ground level.
AER	Annual Environmental Report.
Agency	Environmental Protection Agency
Agreed	Agreed in writing.
Agreement	Agreement in writing.
Attachment	Any reference to Attachments in this licence refers to attachments submitted as part of the waste licence application.
Application	The application by the licensee for this waste licence, including any other material submitted to the Agency in writing by the licensee between the date of the application and the date of grant of this licence.
Annually	All or part of a period of twelve consecutive months.
BATNEEC	Best Available Technology Not Entailing Excessive Cost as defined in section 5 (2) of the Act.
Bi-annually	All or part of a period of six consecutive months.
Bund	A structure to provide containment for any loss of liquid from a storage tank and associated pipework. The Agency's Landfill Design Manual (draft) sets forth design criteria.
Commercial waste	As defined in Section 5 (1) of the Waste Management Act 1996.
Containment boom	A boom which can contain a spillage and prevent it from entering drains or watercourses
Day	A period from 0000 hours to 2400 hours.
Daytime	0800 hours to 2200 hours.
Daily	Consecutive 24 hour periods
Emission	As defined in Section 5 (1) of the Waste Management Act 1996.
EMP	Environmental Management Plan.
Emission Limit Value	Those limits, including concentration limits or deposition limits, contained in Schedule G.
Environmental Pollution	As defined in Section 5 (1) of the Waste Management Act 1996.
EWC	European Waste Catalogue: a harmonised, non-exhaustive list of wastes drawn up by the European Commission and Published as Commission Decision 94/2/EC an any subsequent amendment published in the Official Journal of the European Community.
Facility	That area or areas defined under Condition 1.2.
Foul water	Any reference in this licence refers to wash water, truck washing or foul sewage.
Hazardous Waste	As defined in Section 4(2) of the Waste Management Act, 1996.

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Household Waste	As defined in Section 5 (1) of the Waste Management Act 1996.
Impulsive Noise	As defined in British Standard BS 4142, 1990. "Method for rating industrial noise affecting mixed residential and industrial areas".
Incident	Any reference to an incident in this licence means an incident as defined in Condition 3.1.
Industrial waste	As defined in Section 5 (1) of the Waste Management Act 1996.
Licence	A Waste Licence issued in accordance with the Act.
Licensee	Mr. Binman Ltd.
Liquid Waste	Any waste in liquid form and containing less than 20% dry matter
Local Authority	Limerick County Council.
Maintain	Keep in a fit state, including such regular inspection, servicing and repair as may be necessary to adequately perform its function.
Monthly	At least 12 times per year, once during each calendar month.
Municipal Waste	Municipal waste as defined in Section 5 (1) of the Act.
Night-time	2200 hours to 0800 hours.
Noise sensitive location	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.
Oil separator	Device installed according to the draft European Standard prEN 858 (Installations for the separation of light liquids, eg. oil and petrol).
Putrescible waste	Waste which is readily biodegradable such as vegetable matter, green waste, etc.
Specified Engineering Works	Those engineering works listed in Schedule E of this licence.
Tonal noise	As defined in International Standards Organisation "Acoustics - description and measurement of environmental noise", Part 2, 1996.
Trigger level	A parameter value which when achieved or exceeded requires certain actions to be taken.
Unacceptable Waste	As defined in Condition 5.2 of this licence.
Waste	As defined in Section 4(1) of the Act.
Waste disposal activity	Includes the activities referred to in Section 4 of the Act and listed in the Third Schedule thereto.
Waste recovery activity	Includes the activities referred to in Section 4 of the Act and listed in the Fourth Schedule thereto.
Weekly	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.
Working Day	Monday to Friday 8:00a.m. to 6:00p.m. Saturday 8:00a.m. to 2:00p.m.

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## Part II: CONDITIONS

### Condition 1 SCOPE

- 1.1. Waste activities at the facility shall be restricted to those listed and described in Schedule A and required by this licence.
- 1.2. Waste activities shall be restricted to the area of land outlined in the dashed black line on the Site Location Map, submitted as Attachment B.2 of the waste licence application. Any reference in this licence to “facility” shall mean the area thus outlined in the dashed black line.
- 1.3. Every plan, programme or proposal submitted to the Agency for 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. Every 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.
- 1.4. 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.
- 1.5. Where the Agency considers that a non-compliance with the Conditions of this licence has occurred, it may serve a notice on the licensee specifying:
  - a) 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;
  - b) 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,
  - c) that the licensee shall carry out any other requirement specified in the notice.
- 1.6. 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 confirmation is received from the Agency that the notice is withdrawn.

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

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## Condition 2 MANAGEMENT OF THE ACTIVITY

### 2.1 Environmental Management System

2.1.1 The licensee shall within eighteen months from the date of grant of this licence, 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 agreement.

2.1.2 The EMS shall include as a minimum those elements specified in the Conditions 2.2 to 2.8 below:

### 2.2 Schedule of Environmental Objectives and Targets

2.2.1 The licensee shall, within twelve months from the date of grant of this licence, submit to the Agency for its agreement a Schedule of Objectives and Targets. The objectives should be specific and the targets measurable.

2.2.2 The Schedule shall address a five year period as a minimum and shall be reviewed and submitted annually to the Agency for its agreement.

### 2.3 Environmental Management Programme

2.3.1 The licensee shall, within twelve months from the date of grant of this licence, submit to the Agency for its agreement an Environmental Management Programme (EMP). The EMP shall include a time-scale for achieving the Schedule of Objectives and Targets and shall comply with any other guidance issued by the Agency.

2.3.2 The EMP shall include, as a minimum, the information specified in *Schedule B: Content of the Environmental Management Programme*. The EMP shall be reviewed and submitted to the Agency for its agreement annually.

### 2.4 Corrective Action

2.4.1 The licensee shall establish and maintain within six months of the grant of this licence written Corrective Action Procedures (including Emergency Response procedures as per Condition 10.1) to ensure that corrective action is taken should specified requirements to this licence not be fulfilled.

### 2.5 Awareness and Training

2.5.1 The licensee shall establish and maintain within six months of the grant of this licence Awareness and Training Procedures for identifying training needs and for providing appropriate training, for personnel whose work is related to the licenced facility. Written records of training shall be maintained.

### 2.6 Management Structure

2.6.1 Within nine months from the date of grant of this licence, the licensee shall submit written details of the management structure of the facility for the agreement of the Agency. Any proposed changes in the management structure shall be submitted in writing to the Agency for its agreement. 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;

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- b) a named contact person for communications with the Sanitary Authority
  - c) details of the responsibilities for each individual named under a) above;
  - d) details of the relevant experience, competence and qualifications held by each of the persons nominated under a) above; and
  - e) contingency arrangements for the absences of the named persons from the facility.

## 2.7 Communications

- 2.7.1 Within twelve months from the date of grant of this licence, the licensee shall submit for agreement to the Agency a Communications Programme to ensure that members of the public can obtain information concerning the environmental performance of the facility at all reasonable times.

## 2.8 Annual Environmental Report

- 2.8.1 The licensee shall submit to the Agency for its agreement, within twelve months from the date of grant of this licence, and within one month of the end of each year thereafter, an Annual Environmental Report (AER).
- 2.8.2 The AER shall include as a minimum the information specified in *Schedule C: Content of Annual Environmental Report* and shall be prepared in accordance with any relevant written guidance issued by the Agency.

- 2.9 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 suitably qualified and experienced deputy, shall be present at all times during the operation of the facility.
- 2.10 The licensee shall ensure that personnel performing specifically assigned tasks shall be qualified on the basis of appropriate education, training and/or experience, as required and shall be aware of the requirements of this licence.

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

## Condition 3 NOTIFICATION AND RECORD KEEPING

- 3.1 The licensee shall make written records of the following incidents:
  - a) any emission which results in the contravention of any relevant standard, including any standard for an environmental medium, or any relevant emission limit value, prescribed under any relevant enactment;
  - b) any emission which does not comply with the requirements of this licence;
  - c) any trigger level specified in this licence or in the EMS which is attained or exceeded;
  - d) any malfunction of any environmental control system;
  - e) any indication that contamination has, or may have, taken place;



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- f) the cessation of waste activities at the facility for a period in excess of 28 days, and their re-commencement;
  - g) any occurrence with the potential for environmental pollution; and,
  - h) any emergency.
- 3.2 The written record shall include all aspects described in sections (a) to (e) of Condition 10.7.
- 3.3 Unless otherwise instructed in writing by the Agency, the licensee shall notify the Agency by both telephone and facsimile as soon as practicable and in any case not later than 10:00 a.m. the following working day after the occurrence of any incident.
- 3.4 Unless otherwise instructed in writing by the Agency, the licensee shall submit the written record to the Agency as soon as practicable and in any case within five working days after the occurrence of any incident.
- 3.5 Should any further actions be taken after the date of notification, 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.
- 3.6 Unless otherwise agreed by the Agency, all documentation submitted to the Agency shall:
- (a) be sent to the Agency's headquarters;
  - (b) comprise one original and three copies;
  - (c) be formatted in accordance with any written instruction or guidance issued by the Agency;
  - (d) be identified by a unique code, indicate any modification or amendment, and be correctly dated to reflect any such modification or amendment;
  - (e) be submitted in accordance to the relevant reporting frequencies specified by this licence;
  - (f) be certified as accurate and representative by the licensee; and
  - (g) in the case of results of any environmental monitoring, be accompanied by a written interpretation setting out their significance.
- 3.7 Copies of all environmental monitoring data obtained by the licensee which relates to the facility shall be forwarded to the Agency at the frequencies set out in Schedule D to this licence.
- 3.8 The licensee shall provide additional copies of any documentation referred to in this licence to the Agency upon written request, within the time specified in writing by the Agency.
- 3.9 The licensee shall keep the following documents at the facility office referred to in Condition 4.5.
- 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.
- 3.10 The licensee shall maintain a written record for each load of waste arriving at the and being removed from the facility. The licensee shall record the following:

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- a) the name of the carrier;
  - b) the vehicle registration number;
  - c) the name of the producer(s)/collector(s) of the waste as appropriate;
  - d) a description of the waste;
  - e) the quantity of the waste, recorded in tonnes;
  - f) the name of the person checking the load; and,
  - g) 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.
- 3.11 A written record shall be kept of each consignment of foul water removed from the facility. The record shall include the following:
- a) the name of the carrier;
  - b) the date and time of removal of foul water from the facility;
  - c) the volume of foul water, in cubic metres, removed from the facility on each occasion;
  - d) the name and address of the Waste Water Treatment Plant to which the foul water was transported;
  - e) any incidents or spillages of foul water during its removal or transportation.
- 3.12 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.

*Reason: To provide for the notification of incidents, to update information on the activity and to provide for the keeping of records.*

## **Condition 4 SITE INFRASTRUCTURE**

- 4.1 The licensee shall establish all infrastructure referred to in this licence prior to the commencement of the licenced activities or as agreed in advance in writing with the Agency.
- 4.2 Site Notice Board

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- 4.2.1 Within three months of the grant of this licence, a Site Notice Board shall be provided and maintained by the Licensee on the facility so that it is legible to persons outside the main entrance to the facility. The minimum dimensions of the identification board shall be 1200mm by 750 mm.
- 4.2.2 The board shall clearly show:
- a) the name and telephone number of the facility;
  - b) the normal hours of opening;
  - c) the name, address and telephone number of the licence holder;
  - d) an emergency out of hours contact telephone number;
  - e) the name, address and telephone number of the operator of the facility if different from (c) above;
  - f) the waste licence reference number; and
  - g) where monitoring information can be obtained.
- 4.3 Site Security
- 4.3.1 Within three months of the date of grant of this licence, the licensee shall carry out a review of the site security arrangements for the site and submit to the Agency for its agreement a report to include any improvements considered necessary.
- 4.4 Liquid storage
- 4.4.1 The fuel storage tank, as shown in Drawing No. 0599-3/3 of the application (May 1999), shall be relocated and provided with a bund within four months of the date of grant of this licence. Surface water drainage from the fuel dispensing area of this tank, unless contained within the bund, shall be directed through an oil separator.
- 4.4.2 All tank and drum storage areas shall be rendered impervious to the materials stored therein. In addition, tank and drum storage areas shall, as a minimum be banded, 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 banded area; or
  - b) 25% of the total volume of substance which could be stored within the banded area.
- 4.4.3 All drainage from banded areas shall be diverted for collection and safe disposal.
- 4.4.4 All inlets, outlets, vent pipes, valves and gauges must be within the banded area.
- 4.4.5 The integrity and water tightness of all the bunds, tanks and containers and their resistance to penetration by water or other materials stored therein shall be tested and demonstrated by the licensee and shall be reported to the Agency within six months of the date of grant of this licence. This testing shall be carried out by the licensee at least once every three years thereafter and reported to the Agency on each occasion. The licensee shall also submit to the Agency for its agreement in each case a written report on the storage of fuels on site. A written record of all integrity tests and any maintenance or remedial work arising from them shall be maintained by the licensee.
- 4.4.6 All tanks and containers shall be labelled to clearly indicate their contents and volume.
- 4.4.7 All tanks and containers shall be secured against unauthorised access.
- 4.5 An office shall be provided and maintained on the facility, at the location shown in Drawing No: 0599-3/3 of the application (May 1999) and referred to therein as the control shed. The

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office shall be constructed and maintained in a manner suitable for the processing and storing of documentation.

- 4.6 The licensee shall provide and maintain a working telephone and a facsimile machine at the facility.
- 4.7 Waste Inspection/ Waste Quarantine Area
- 4.7.1 Within nine months of the date of grant of this licence, proposals for a Waste Inspection Area and Waste Quarantine Area shall be submitted to the Agency for its agreement.
- 4.7.2 Within one year of the date of grant of this licence, the licensee shall ensure that this area 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 suitably and clearly segregated from each other.
- 4.8 A weighbridge shall be provided at the location shown in Drawing No. 0599-3/3 of the application (May 1999) and shall be maintained in such condition as to accurately measure the weight of all vehicles using it. The accuracy of the weighbridge shall be tested and demonstrated by the licensee and shall be reported to the Agency within twelve months from the date of grant of this licence. Thereafter, the weighbridge shall be tested to the manufacturer's specifications and reported to the Agency. A written record of such tests and any maintenance or remedial work arising from them shall be maintained by the licensee.
- 4.9 The licensee shall provide adequate lighting during the operation of the facility during the hours of darkness.
- 4.10 The Waste Transfer Station and Cardboard Store Area shall be established and maintained as set out in Drawing No. 0599-3/3 of the application (May 1999) subject to any alteration(s) agreed in advance by the Agency.
- 4.11 The Bottle shed and Bottle Bays shall be established and maintained as set out in Drawing No. 0599-3/3 of the application (May 1999) subject to any alteration(s) agreed in advance by the Agency within nine months of the date of grant of this licence.
- 4.12 An area with an impermeable surface shall be provided for the movement and parking of trucks at the location shown in the Drawing No. 0599-3/3 of the application (May 1999) within six months of the date of grant of this licence. The drainage from this area shall pass through a suitable oil separator within six months of the date of grant of this licence.
- 4.13 Foul Water Treatment
- 4.13.1 A foul water treatment system shall be provided and maintained at the location referred to in Drawing No. 0599-3/3 of the application (May 1999), and referred to therein as waste water treatment plant, shall be installed within four months of the date of grant of this licence. The treatment plant shall comprise of those units outlined in Option 1 of Technical Report 499/54, as submitted to the Agency on the 28th May 1999, subject to any alteration(s) agreed in advance by the Agency.
- 4.13.2 Vehicle cleaning facilities shall be provided and maintained at the location referred to in Drawing No. 0599-3/3 of the application (May 1999) and to a specification agreed with the Agency within four months of the date of grant of this licence.
- 4.13.3 All drainage from the floor of the Transfer Building, Loading Bay and the vehicle wash shall be directed to the foul water treatment system within four months of the date of grant of this licence.

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#### 4.14 Specified Engineering Works

- 4.14.1 The licensee shall submit a written report on any proposed specified engineering works, as defined in Schedule E: Specified Engineering Works, to the Agency for its agreement prior to any works being carried out. No such works shall be carried out without the prior written agreement of the Agency.
- 4.14.2 All specified engineering works shall be supervised by a competent person(s) agreed in writing in advance by the Agency and that person, or persons, shall be present at all times during which relevant works are being undertaken.
- 4.14.3 Following the completion of all specified engineering works, the licensee shall submit a construction quality assurance validation report to the Agency. The validation 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) where relevant a drawing and sections showing the location of all samples and tests carried out;
  - e) daily records sheets/diary;
  - f) name(s) of contractor(s)/individual(s) responsible for undertaking the engineering works;
  - g) name(s) of person(s) responsible for supervision of works and for quality assurance validation of works;
  - h) records of any problems and the remedial works carried out;
  - i) any other information requested in writing by the Agency; and
  - j) a comprehensive drawing of the entire facility drainage network including foul sewerage, surface water drainage, fuel, raw material and waste storage locations, waste quarantine area, monitoring stations, cut-off valves, underground services such as electricity cables and their associated manhole covers, vehicle wash area, oil separators, gullies, manhole covers, buildings, truck parking area, pumps, et cetera.

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

## **Condition 5 WASTE ACCEPTANCE AND HANDLING**

- 5.1 Where waste types are not permitted to be accepted at the facility, then those waste types shall not be accepted whether or not they have been packaged, placed in other containers or waste materials, or pre-treated by any form of solidification or encapsulation.
- 5.2 The following non-hazardous, non-liquid wastes only shall be accepted at the facility subject to the quantities listed in Schedule H:
- a) Municipal Waste;
  - b) Commercial and Industrial waste of similar composition to Municipal Waste; and,
  - c) The wastes listed in Table E.1.3 of the waste licence application.
- 5.3 The quantity of wastes to be accepted at the facility shall not exceed 24,000 tonnes per annum.
- 5.4 Waste must only be accepted at the facility from known customers or new customers subject to initial waste characterisation off-site. The written records of this off-site waste profiling shall be

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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.

- 5.5 Waste arriving at the facility shall be weighed, documented and directed to the Transfer Station Building, as shown on Drawing No. 0599-3/3 of the application (May 1999). The waste shall then be deposited on the floor of the Waste Transfer Building for visual inspection. Only following visual inspection and assessment shall the waste be processed for disposal or recovery.
- 5.6 All suspect materials identified by the visual inspection of the waste shall be diverted to the Waste Quarantine Area, or other designated area as agreed in advance by the Agency, for further examination and classification. Materials other than those permitted by this licence shall be submitted to an alternative appropriate facility.
- 5.7 The licensee shall within six months of the date of grant of this licence submit a written procedure for the management of unacceptable wastes received at the facility for the agreement of the Agency. This procedure will detail unacceptable waste types, handling procedures, waste quarantine procedures, record keeping and levels of staff responsibility.
- 5.8 No waste shall be placed, or allowed to accumulate outside the Transfer Building other than baled cardboard in fully enclosed trailers/containers pending removal from the site, unless agreed in advance by the Agency.
- 5.9 Waste shall only be handled at the facility between the hours of 8:00a.m. and 6:00 p.m. Monday to Friday inclusive and 8:00 to 2:00p.m. on Saturday, unless agreed otherwise in advance by the Agency.
- 5.10 Scavenging shall not be permitted at the facility.
- 5.11 The licensee shall submit a written proposal on any proposed new waste processing procedure, along with relevant details, to the Agency for its agreement at least two months prior to any such processes or associated works being carried out.
- 5.12 At the end of the working day the floor of the Transfer Station and the Loading Bay shall be cleaned of all waste.
- 5.13 Unless subject to the prior written agreement of the Agency, a maximum of 5 enclosed waste containers (including sealed containers of compacted waste or fully enclosed collection vehicles containing waste), shall be stored on the facility overnight. These containers shall be stored at areas clearly designated for this purpose.
- 5.14 Waste sent off-site for recovery or disposal shall only be conveyed to a waste contractor, as agreed by the Agency. The ultimate recovery or disposal facility for all wastes shall be agreed in advance with the Agency. 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.

*Reason: To provide for the acceptance and management of wastes authorised under this waste licence*

## **Condition 6 ENVIRONMENTAL NUISANCES**

- 6.1 All waste for disposal shall be removed from the facility within forty eight hours of its arrival on site, unless subject to the prior written agreement of the Agency.

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- 6.2 The licensee shall, at a minimum of one week intervals, inspect for nuisances caused by vermin, litter and odours. Written records shall be made of all inspections and any actions taken as a result of these inspections.
  - 6.3 All litter on the site and its environs shall be removed and appropriately disposed of on a daily basis.
  - 6.4 Any waste placed on or in the vicinity of the facility, other than in accordance with the requirements of this licence, shall be removed by the licensee immediately such waste is discovered and in any event by 10.00am of the next working day.
  - 6.5 The public highway 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 by the licensee.
  - 6.6 The licensee shall ensure that all vehicles delivering and removing waste from the facility are suitably covered, and that there shall be no liquid discharges from the waste transported therein.
  - 6.7 The licensee shall ensure that birds, vermin, flies and dust do 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.
  - 6.8 The licensee shall ensure that the activities shall be carried out in a manner such that odours do not result in significant impairment of, or significant interference with amenities or the environment beyond the facility boundary.

*Reason: To provide for the control of nuisances.*

## **Condition 7 EMISSIONS AND ENVIRONMENTAL IMPACTS**

- 7.1 No specified emission from the facility shall exceed the emission limit values set out in Schedule G of this licence. There shall be no other emissions of environmental significance.
- 7.2 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 site boundary.
- 7.3 There shall be no clearly audible tonal component or impulsive component in the noise emissions from the activity at the facility boundary.
- 7.4 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.
- 7.5 Disposal of Foul Water (Prior to commissioning of waste water treatment plant or in the event of breakdown in the operation of the plant)
  - 7.5.1 Any foul water removed from the facility shall be transported to a wastewater treatment plant whose name and location has been agreed with the Agency. Permission for the disposal of foul water at that waste water treatment plant shall be obtained from the Sanitary Authority on an annual basis. Disposal procedures for the foul water at the waste water treatment plant shall be in accordance with any written requirements of the Sanitary Authority.

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7.6 Emissions of Foul Water to Ground

7.6.1 The licensee shall within three months of date of grant of this licence submit to the Agency a report by a suitably qualified engineer on whether the on-site percolation system satisfies the design criteria set out in the guidance document SR6 Septic Tank Systems (NSAI 1991) or any future guidance prepared by the Agency. A proposal for any remedial works necessary must be submitted to the Agency for its agreement within six months of the date of grant of this licence.

7.6.2 Foul water from the facility may be discharged to the on-site treatment plant and percolation system only following agreement of the Agency as required in Condition 7.6.1. This plant shall be maintained in accordance with the manufacturers specification and de-sludged at least annually and records should be maintained by the licensee. No landspreading of foul water or sludge from the treatment plant shall take place.

7.6.3 Foul water shall be directed to and stored in a dedicated precast concrete storage tank pending discharge to the aerated biofilter tank or disposal off-site.

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

## Condition 8 DECOMMISSIONING AND AFTERCARE

8.1 Decommissioning shall be according to the scheme laid out in Attachment G.1 of the waste licence application. The licensee shall update the schemes for Decommissioning and Aftercare when required in writing by the Agency and submit any proposed amendments to the Agency for its agreement.

*Reason: To provide for decommissioning of the facility and aftercare of the site on which the facility is located.*

## Condition 9 ENVIRONMENTAL MONITORING

9.1 The licensee shall carry out such monitoring at such locations and frequencies as set out in Schedule F : *Monitoring* and in the conditions of this licence.

9.2 The licensee shall provide and maintain all sampling and monitoring points so that they may be used for the representative sampling and monitoring of emissions from the facility.

9.3 The licensee shall provide safe and permanent access to all on-site and off-site sampling and monitoring points as required by the Agency.

9.4 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 or discharge or environmental parameter.

9.5 The licensee shall amend the frequency, locations, methods and scope of monitoring, sampling, analyses and investigations 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.



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- 9.6 Unless otherwise agreed in writing with the Agency, a written record shall be kept of the names, qualifications and a summary of relevant experience 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.
  - 9.7 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.
  - 9.8 All on-site monitoring points as described in Condition 9 shall be tagged in situ with their agreed sampling point codes within ten months of the granting of this licence.

*Reason: To ensure compliance with the requirements of other conditions of this licence by provision of a satisfactory system of measurement and monitoring of emissions*

## **Condition 10 CONTINGENCY ARRANGEMENTS**

- 10.1 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 situation which may originate on the facility and shall include provision for minimising the effects of any emergency on the environment.
- 10.2 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 safely stored prior to disposal at an appropriate facility. A written record of the use and disposal of these items shall be maintained by the licensee.
- 10.3 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.
- 10.4 No waste shall be burnt within the boundaries of the facility. A fire at the facility shall be treated as an emergency. Immediate action shall be taken to extinguish it and the appropriate authorities notified.
- 10.5 In the event that a significant risk is found to exist for the release of contaminated fire-water, the licensee shall, based on the findings of the risk assessment, prepare and implement, with the agreement of the Agency, a suitable risk management programme. The risk management programme shall be fully implemented within the timescale as notified in writing by the Agency.
- 10.6 In the event of a complete breakdown of equipment or any other occurrence which results in the closure of the transfer station building, any putrescible 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 Waste Transfer Building is returned to a fully operational status. Such a breakdown event will be treated as an emergency and rectified as soon as possible.
- 10.7 In the event that any monitoring, sampling or observations indicate that an incident has, or may have, taken place, 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
  - c) isolate the source of the emission if any;
  - 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; and

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- f) provide a proposal to the Agency for its agreement within month of notification to the Agency to
- identify and put in place measures to avoid reoccurrence of the incident; and
  - identify and put in place any other appropriate remedial action.

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

## **Condition 11 CHARGES AND FINANCIAL PROVISIONS**

### **11.1 Agency Charges**

11.1.1 The licensee shall pay to the Agency an annual contribution of £5,481 or such sum as the Agency from time to time determines, towards the cost of monitoring the activity, as the Agency considers necessary for the performance of its functions under the Waste Management Act, 1996. The licensee shall in 2000 and subsequent years, not later than January 31 of each year, pay to the Agency this amount updated in accordance with changes in the Consumer Price Index from the date of the licence to the renewal date. The updated amount shall be notified to the licensee by the Agency. For 1999, the licensee shall pay a pro rata amount from the date of this licence to December 31 1999. This amount shall be paid to the Agency within one month of the date of grant of this licence.

11.1.2 In the event that the frequency or extent of monitoring or other functions carried out by the Agency needs to be increased due to an incident, or incidents, occurring on or adjacent to and associated with the facility, the licensee shall contribute such sums as determined by the Agency to defray its costs.

### **11.2 Environmental Liabilities**

11.2.1 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 or in consequence of ceasing to carry on those activities. A report on this assessment shall be submitted to the Agency for agreement within six months of date of grant of this licence.

11.2.2 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 or in consequence of ceasing to carry on those activities. Such provision shall be maintained unless otherwise agreed in writing by the Agency.

11.2.3 The amount of financial provision, held under Condition 11.2.2 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.

11.2.4 The licensee shall within two weeks of purchase, renewal or revision of the financial provision required under Condition 11.2.2, forward to the Agency written proof of such indemnity.

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

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# SCHEDULE A : Waste Activities

<b>Waste Management Act, 1996: Third Schedule</b> <sup>Note 1</sup>	
<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 repackaging of waste destined for disposal at an alternative appropriate facility.
<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 is produced.</b>  This activity is limited to the storage of waste, prior to disposal at an alternative appropriate facility, of non-recoverable wastes received at this facility.

**Note 1: Any reference to an activity Class is to be taken as being from the Third Schedule of the Waste Management Act, 1996, unless otherwise stated.**

<b>Waste Management Act, 1996: Fourth Schedule</b> <sup>Note 1</sup>	
<b>Class 2</b>	<b>Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological processes).</b>  This activity is limited to the receipt, collection, holding and processing of cardboard and timber wastes. Composting may be performed at the site up to a maximum tonnage of 1000m <sup>3</sup> at the facility at any one time subject to the agreement of the Agency.
<b>Class 3</b>	<b>Recycling or reclamation of metals and metal compounds.</b>  This activity is limited to the receipt, collection, holding and/or processing of metal wastes.
<b>Class 4</b>	<b>Recycling or reclamation of other inorganic materials.</b>  This activity is limited to the receipt, holding and recovery of glass, inert construction and demolition wastes (such as clay, topsoil, broken concrete and asphalt) subject to the agreement of the Agency.
<b>Class 10</b>	<b>The treatment of any waste on land with a consequential benefit for an agricultural activity or ecological system.</b>  This activity is limited to the future spreading of composted material on land subject to the agreement of the Agency.
<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 such waste is produced.</b>  This activity is limited to the storage of waste, prior to recovery at the facility or prior to disposal at an alternative appropriate facility, of wastes received at this facility.

**Note 1: Any reference to an activity Class is to be taken as being from the Fourth Schedule of the Waste Management Act, 1996, unless otherwise stated.**



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## SCHEDULE B : Content of the Environmental Management Programme

### Environmental Management Programme

Items specified to be contained in an Environmental Management Plan in the Landfill Operational Practices Manual published by the Agency, or otherwise as agreed in writing with the Agency

Timescale for achieving the objectives and targets listed in the Schedule of Objectives and Targets - (Separation and recovery of appropriate waste components)

Designation of Responsibility for Achieving Targets and Objectives

Other items as specified in writing by the Agency



## SCHEDULE C : Content of the Annual Environmental Report

### Annual Environmental Report Content

Reporting Period.

Waste activities carried out at the facility.

Quantity and Composition of waste received, disposed of and recovered during the reporting period and each previous year.

Summary report on emissions (Certified results/data sheets to be attached as Appendices)

Summary of results and interpretations of environmental monitoring, including a location plan of all monitoring locations along with their respective 12 digit grid references.

Resource and energy consumption summary.

Report on development works undertaken during the reporting period, and a timescale for those proposed for the coming year.

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.

Drum, tank and bund testing at least every third year.

Reported Incidents and Complaints summaries.

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

Any other items specified by the Agency.



## SCHEDULE D : Recording and Reporting to the Agency

**Table D.1 Recurring Reports:**

Report	Reporting Frequency <sup>Note1</sup>	Report Submission Date
<b>Monitoring</b>		
(i) Monitoring of emissions to percolation system	Quarterly	Ten days after end of the quarter being reported on
(ii) Noise monitoring	Annually	One month after the completion of the monitoring
(iii) Dust monitoring	Annually	One month after the completion of the monitoring
<b>Records of incidents</b>	As they occur	See Conditions 3.1 and 10.7
<b>Proposals for Separation and Recovery of Waste Streams</b>	As they occur	See Condition 5.11
<b>Infrastructure</b>		
(i) Bund and tank integrity assessment	Every third year	Six months from the date of grant of licence and one month after the end of every year as specified in Condition 4.4.5 thereafter.
(ii) Weighbridge Accuracy	As they occur	Six months from the date of grant of licence and according to manufacturer's specifications thereafter.
<b>Environmental Management System Updates</b>	<i>Note 2</i>	One month after the end of each year being reported on.
(i) Environmental Management System	Annually	
(ii) Schedule of Objectives and targets	Annually	
(iii) Environmental Management Programme	Annually	
(iv) Annual Environmental Report	Annually	
<b>Financial</b>		
(i) Financial Provision as per Conditions 11.2.2 and 11.2.3	Annually	Nine months from the date of grant of licence and thereafter within the first month of each year being reported on.
(ii) Financial Provision as per Conditions 11.2.4	As they occur	Within two weeks of the purchase, renewal or revision of the financial provision required under Condition 11.2.2

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

**Note 2:** Table D.2 specifies when the first of these reports must be submitted.

**Table D.2: Once-off Reports:**

<b>Report</b>	<b>Condition Number</b>	<b>Report Submission Date</b>
<b>Environmental Management System</b>		
(i) Environmental Management System proposals	2.1.1	Within eighteen months of the date of grant of licence.
(ii) Schedule of Objectives and targets	2.2.1	Within twelve months of the date of grant of licence
(iii) Environmental Management Programme	2.3.1	Within twelve months of the date of grant of licence
(iv) Management Structure	2.6.1	Within nine months of the grant of this licence
(v) Communications Programme	2.7.1	Within twelve months of the date of grant of licence
(vi) Annual Environmental Report	2.8.1	Within twelve months of the date of grant of licence
<b>Infrastructure</b>		
(i) Site Security	4.3.1	Within three months of the date of grant of licence.
(ii) Waste Inspection/Quarantine Area Proposals	4.7.1	Within nine months of the date of grant of licence.
(iii) Weighbridge Accuracy Report	4.8	Within twelve months of the date of grant of licence.
(iv) Reports required in connection with Specified Engineering Works	4.14.1	As specified in Schedule E or elsewhere in the Licence.
<b>Report on Percolation System</b>	7.6.1	Within three months of the date of grant of licence
<b>Contingency Arrangements</b>		
(i) Emergency Response Procedures	10.1	Within six months of the date of grant of licence.
<b>Financial</b>		
(i) Environmental Liabilities Risk Assessment	11.2.1	Within six months of the date of grant of licence
<b>Waste Acceptance Procedures</b>		
(i) Procedure for the management of unacceptable waste.	5.7	Within six months of the date of grant of licence.
<b>Monitoring</b>		
Grid References	Schedule F1, F3	Within three months of the date of grant of licence

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# SCHEDULE E : Specified Engineering Works

The terms of Condition 4.14 shall apply to the Specified Engineering Works listed in Table E.1 unless stated otherwise.

**Table E.1 Specified Engineering Works**

Specified Engineering Works	Relevant Condition
Installation of Site Identification Board within three months of the granting of this licence. <i>(Note 1)</i>	4.2
Installation of agreed bund and fuel dispersal arrangement and oil separator within four months of the granting of this licence. <i>(Note 2)</i>	4.4.1
Installation of foul water treatment system and vehicle cleaning system and revised drainage from Transfer Building, Loading Bay and vehicle cleansing area within four months of the granting of this licence. <i>(Note 2)</i>	4.13
Installation of hardcore area and oil separator for storm water discharge within six months of the granting of this licence. <i>(Note 2)</i>	4.12
Installation of bottle shed and bottle bays within nine months of the granting of this licence. <i>(Note 2)</i>	4.11
Provide in-situ tagging of monitoring points within ten months of the granting of this licence. <i>(Note 1)</i>	9.8
Any other works notified in writing by the Agency	

**Note 1: Condition 4.14.1 does not apply to this item.**

**Note 2: Subject to Condition 4.14.1.**

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## SCHEDULE F : Monitoring

### ***F.1: Dust***

Monitoring shall be carried out at A to F as shown in Drawing “Location of passive dust collectors” (extra application information received 1/6/99).

**Table F.1.1 Dust Monitoring Locations**

STATION	EASTING	NORTHING
<b>A to F</b>	See Note 1	See Note 1

Note 1. Grid references to be provided within 3 months of date of grant of licence.

The frequency of sampling and analysis is listed in the following table:



Table F.1.2 Dust Monitoring

Parameter	Monitoring Frequency	Analysis Method/Technique
Dust	Three samples annually <sup>Note 1</sup>	Standard Method <sup>Note 2</sup>

Note 1: At least two samples during the period May to September.

Note 2: Standard method VDI2119 (Measurement of Dustfall, Determination of Dustfall using Bergerhoff Instrument (Standard Method) German Engineering Institute) or an alternative agreed in writing with the Agency.

## F.2: Noise

**Noise Monitoring Locations:** NSL 1 to 3 inclusive as per Plan 4930-A received by the Agency on the 28<sup>th</sup> June 1999.

The frequency of sampling and analysis is listed in Table F.2.1.

Table F.2.1 Noise Monitoring

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

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

Table F.2.2 Noise Monitoring Locations (NSLs)

STATION	EASTING	NORTHING
NSL1	164812	146973
NSL2	164622	146784
NSL3	164309	146659
Other <sup>Note 1</sup>		

Note 1: Any other NSL which the Agency deems appropriate.



## F.3: Monitoring of Emissions to Groundwater

**Table F.3.1 Monitoring of Foul Water Treatment Plant- Parameters /Frequency (when operational)**

**Emission Point Reference No.:** TE1 <sup>(Note 1)</sup>  
**Description of Treatment:** Foul Water Treatment Plant <sup>(Note 2)</sup>  
**Source of Emission** Discharge of Treated Foul Water from facility (i.e. wash water, truck washing or foul sewage).

Parameter	Monitoring Frequency	Sampling Method/Type
BOD	Quarterly	Standard Methods <sup>(Note 3)</sup>
Suspended Solids	Quarterly	Standard Methods <sup>(Note 3)</sup>
Fats, Oil, Grease	Quarterly	Visual
Total Nitrogen	Biannually	Standard Methods <sup>(Note 3)</sup>
Phosphorus (total)	Biannually	Standard Methods <sup>(Note 3)</sup>
Volumes	Quarterly	Method to be agreed with the Agency

**Note 1:** Grid reference to be provided within 3 months of date of grant of licence.

**Note 2:** All equipment associated with the treatment plant shall be calibrated and maintained, in accordance with the instructions issued by the manufacturer/supplier or installer.

**Note 3:** "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) 19th Ed. 1995, American Public Health Association, 1015 Fifteenth Street, N.W., Washington DC 20005, USA.



## SCHEDULE G : Emission Limits

### G.1 Noise Emissions At Noise Sensitive Locations.

Day dB(A)L <sub>eq</sub> (30 minutes)	Night dB(A)L <sub>eq</sub> (30 minutes)
55	45

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## G.2 Foul Water Emission Limits <sup>(Note 1)</sup>

Emission Point Reference No.: TE-1 (from Polishing Filter)  
Volume to be emitted: Maximum in any one week: 2.5m<sup>3</sup>/week  
Maximum rate per hour: 0.45m<sup>3</sup>/hour

Parameter	Limit (all units in mg/l except pH)
BOD	10
Suspended Solids	10
Oils/Greases	None Visible

Note 1. Only upon completion of report required under Condition 7.6.



## G3 : Dust Deposition Limits

Table H.1 Dust Deposition Limits

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

Note 1: Based on a 30 day composite sample with the results expressed as mg/m<sup>2</sup> /day at the monitoring points specified in Table F.1.1 of this licence.



## SCHEDULE H : Waste Types

Waste Type	Maximum Quantity Per Annum (tpa)
Household	10,000
Commercial	13,000
Construction and Demolition	1,000

Given by the Agency on this 13<sup>th</sup> day of October 1999

Signed on behalf of the said Agency: \_\_\_\_\_  
on the 13th day of October 1999 B Sheehan Authorised Person