

ATTACHMENT. H2 ~ H3

GENERAL WASTE COLLECTION.

MR BENMAN.

① COVER LETTER.

② WASTE COLLECTION PERMIT.

③ WASTE LICENCE.

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**Mr. BINMAN**  
Private Waste Disposal

Mail Office & Recycling Dept  
Luddenmore Grange, Kilmallark  
Co. Limerick  
Tel: 061 351127 Fax: 061 351918  
E-mail: info@mrbinman.com Web: www.mrbinman.com

Ballyfaskin Enterprises Ltd  
Ballylanders  
Co Limerick

14-04-2010

**Re: Waste Acceptance**

To Whom It May Concern:

All waste collected by Mr. Binman from your premises is collected in accordance with the terms and conditions of our Waste Collection Permit WCP/LK/069/08(e) issued by Limerick County Council.

Your waste is then processed at our waste facility in Luddenmore, Grange, Co. Limerick EPA licence W0061-02. In accordance with this licence all waste transferred from our facility can only be transferred to an appropriate facility agreed with the EPA.

Mr. Binman's efforts in waste management innovation have been recognised by Repak and we have won the "Repak Packaging Recovery Operator of the Year" in 2004, 2005 & 2009.

If you have any queries please do not hesitate to contact me

Yours sincerely,

FOR MR. BINMAN LTD

Margaret Egan,  
Environmental Officer





**Waste Management (Collection Permit) Regulations, 2001**

**WASTE COLLECTION PERMIT**

**Permit Register Reference Number WCP LK/069/08(e)**

**Limerick County Council** being a nominated authority under Section 34(1)(aa) of the Waste Management Acts 1996 to 2003, having carried out a review of waste collection permit (WCP/LK/069/07d) has granted an amended waste collection permit to:

**Mr. Binman Limited**, herein after called the Permit Holder

Of: Luddenmore,  
Grange,  
Kilmallock,  
Co. Limerick.

subject to the attached schedule of conditions

This waste collection permit and attached conditions supersedes the previous waste collection permit (WCP/LK/069/07d).

Limerick County Council may at any time review, and subsequently amend the conditions of, or revoke this permit. Limerick County Council shall review this permit at least once in each period of two years (or as otherwise required by regulation) after the date on which the permit was granted or last reviewed, as the case may be.

The Permit Holder is authorised by this permit to collect specified waste type(s) using vehicle(s) specified in the following local authority areas:

- Limerick County Council
- Limerick City Council
- Clare County Council
- Kerry County Council

**Signed on behalf of said Councils**

*[Signature]*  
**APPROVED OFFICER**

LIMERICK CLARE KERR  
RWMD  
12/11/08  
WCP LK 069/08  
SIGNED *[Signature]*

**Order No.** 324/2008 **Date** 1<sup>st</sup> July 2008



## CONTENTS

*Reason for the Decision*

*Interpretation*

Conditions

- 1 Scope of Permit
- 2 Management of the Waste Collection Activity
- 3 Vehicles, Skips and Receptacles
- 4 Notification and Record Keeping
- 5 Charges and Financial Provisions
- 6 **Conditions Specific to Waste Types**
  - 6.1 Commercial and Industrial Waste
  - 6.2 Construction and Demolition Waste
  - 6.3 End of Life Vehicles
  - 6.4 Hazardous Waste (includes waste asbestos, Waste batteries and healthcare waste)
  - 6.5 Household Waste
  - 6.6 Sludges/Slurries and Septic Tank Waste
  - 6.7 Waste Electrical and Electronic Equipment
  - 6.8 Waste Oils

## APPENDIX

- A Permitted waste types in accordance with Condition 1.2
- B Permitted disposal/recovery sites to be used in accordance with Condition 2.3
- C Permitted collection vehicles to be used in accordance with Condition 3.1
- D Minimum List Of Waste Types To Be Included In Dry Recyclable Collection.
- E Provisions of Community Acts, which are to be given effect to in relevant waste collection permits granted by a local authority.

## TABLES

**Table 1** Schedule for Segregated Organic Waste Collection for Households.

**Table 2** Schedule for Segregated Organic Waste Collection for Commercial Collections.



### **REASON FOR THE DECISION**

Limerick County Council is satisfied, on the basis of the information available, that subject to compliance with the conditions of this permit, the activity will not cause environmental pollution and the grant of this permit is in accordance with the objectives of the Limerick/Clare/Kerry Region Waste Management Plan and the National Hazardous Waste Management Plan.

The granting of this waste collection permit establishes a system to reach national landfill diversion targets, other associated targets and the objectives and targets of Limerick/Clare/Kerry Regional Waste Management Replacement Plan 2006-2011. It also establishes a system for recording waste generation and movement.

In reaching this decision, Limerick County Council has considered any information submitted as part of the review process from the permit holder, the application and supporting documentation received from the applicant and valid submissions received from the relevant local authorities and other parties.

### **INTREPRETATION**

All terms in this permit should be interpreted in accordance with the definitions in the Waste Management Acts 1996 to 2005 (the Act), and its associated regulations or as defined in this permit.

### **DEFINITIONS**

**Organic Waste** : Organic waste is putrescible waste and waste that readily undergoes anaerobic or aerobic decomposition through a biological treatment and largely consists of food and garden waste.

## CONDITIONS

### 1.0 SCOPE OF PERMIT.

- 1.1 The permit holder may collect the wastes specified in condition 1.2 in the local authority areas of Limerick County Council, Limerick City Council, Clare County Council and Kerry County Council
- 1.2 The permit holder shall only collect such wastes which are listed in Appendix A to this permit or such later revision to the said appendix as Limerick County Council may issue by way of revised Appendix A following application therefore by the permit holder.
- 1.3 The permit holder shall notify Limerick County Council in writing of any proposed changes in the information furnished and shall obtain written approval from Limerick County Council prior to the operation of these changes.
- 1.4 This permit and any condition imposed therein shall not relieve the permit holder of any statutory obligations under any other enactment whatsoever.
- 1.5 This permit is non-transferable.

## 2.0 MANAGEMENT OF THE WASTE COLLECTION ACTIVITY

- 2.1 The permit holder shall ensure that where waste collected under this permit is transferred to a facility for the purpose of a recovery or disposal activity in respect of which section 39(1) of the Act applies-
- (i) There is in force a waste licence or a waste permit in relation to the carrying on of the activity concerned at that facility, or
  - (ii) Unless such activities are exempted from regulation under the Waste Management Acts, 1996-2005
- 2.2 The permit holder may not transfer waste to a facility under condition 2.1 of this permit unless the waste activity at that facility is authorised under:
- (i) Section 39(1) of the Act, in the case of a facility subject to licensing, or
  - (ii) Article 4 of the Waste Management (Permit Regulations), 1998 in the case of an activity specified in Part I or part II of the First Schedule of the said Regulations.
  - (iii) Other Facilities agreed by the nominated authority.
- Note: An authorised waste management facility does not include a facility for which a licence/permit has been revoked or a licence/permit has not yet been granted for applications made after the prescribed date.
- 2.3 The permit holder shall only transfer waste to the facilities, which are listed in Appendix B to this permit or such later revision to the said appendix as Limerick County Council may issue by way of revised Appendix B following application therefore by the permit holder.
- 2.4 If the permit holder proposes to transfer waste to facilities other than those which were previously agreed with Limerick County Council, the permit holder shall, submit the following details in writing and these facilities shall not be used until written agreement is received from the local authority:
- (i) Origin of waste material.



- (ii) Description of waste including European Waste Catalogue (EWC) code.
  - (iii) Location, ownership details, and contact number of the facility.
  - (iv) Waste permit or license details of the facility.
  - (v) Written confirmation from the operator of the facility that the said waste will be accepted there.
- 2.5 The permit holder shall carry or cause to be carried a copy of this permit at all times on each vehicle which is used for the purposes of the activity to which the permit relates.
- 2.6 The permit holder shall carry or cause to be carried a copy of the latest revision of all appendices issued by Limerick County Council at all times on each vehicle which is used for the purposes of the activity to which the permit relates
- 2.7 The permit holder, having regard to the waste hierarchy shall take steps to ensure that all, or a specified proportion of waste collected by the permit holder, or of any class or classes of such waste, is segregated, treated or recovered in accordance with this permit.
- 2.8 Waste must be collected from a customer's premises or a location adjacent to a customer's premises unless otherwise agreed with the relevant Local Authority.
- 2.9 Where any local authority has made byelaws under Section 35 of the Act the permit holder shall not collect waste in the functional area of the said local authority unless it has been presented in accordance with the requirements of the said byelaws.
- 2.10 Where household or commercial waste has been segregated prior to collection in accordance with a bye-law referred to in condition 2.8 or by Regulation, or by any requirement of the Limerick/Clare/Kerry Regional Waste Management Plan, the permit holder, if collecting the recyclable

fraction of the waste, shall ensure that this fraction is separately collected in its entirety, kept free of contamination, not remixed and transferred to a suitable recovery facility in accordance with the said Bye-law, Regulation or Plan. Similarly biodegradable waste if required to be segregated and separately collected shall be kept free of contamination, not remixed and transferred to a suitable biodegradable waste treatment facility.

- 2.11 The permit holder shall identify all hazards associated with the waste being collected, and shall be familiar with best practice regarding its safe movement and handling and shall adopt all necessary, reasonable and practicable safety measures accordingly.
- 2.12 The permit holder shall have in place a documented Emergency Response Procedure (ERP), which shall address any emergency incident that may arise. This procedure shall provide for an emergency response unit, replacement vehicles, clean-up equipment, etc in order to minimise the effects of the emergency on the environment. The permit holder shall maintain a copy of the ERP at the principal place of business of the permit holder.
- 2.13 The permit holder shall ensure that all operatives employed in the waste collection activity are familiar with the conditions of this permit and the ERP.
- 2.14 The permit holder shall clean up immediately any spillage of waste, which occurs in the course of the collection operation, in a manner which will not cause environmental pollution. The permit holder shall carry an emergency spillage kit on each vehicle listed in appendix C, at all times, to deal with minor spillages.
- 2.15 The permit holder shall not cause environmental pollution during the course of the waste collection activity to which this permit relates. Waste laden vehicles should not be parked in public areas overnight.

### **3.0 VEHICLES, WHEELED BINS, SKIPS AND RECEPTACLES.**

- 3.1 The permit holder shall only use the vehicles that have been notified in writing to Limerick County Council, which are listed in Appendix C to this permit or such later revision of the said appendix as Limerick County Council may issue, by way of revised Appendix C following the application therefore by the permit holder, for the purposes of the activity to which this permit relates. The permit holder shall in the case of vehicles being hired on a temporary basis from a third party by the permit holder and used for the collection of waste under the terms of the permit, notify the nominated authority within one working day of addition of such a vehicle, including particulars of the relevant vehicle registration document.
- 3.2 All vehicles used by the permit holder for the purposes of the activity to which this permit relates, shall be fit for purpose and maintained in accordance with the manufacturers' recommendations.
- 3.3 All vehicles used for purposes of the activity to which this permit relates shall be generally well maintained and clean washed down as required in an appropriate manner and at an appropriate facility so as not to result in environmental pollution.
- 3.4 Each vehicle used for the purposes of the activity to which this permit relates and that is listed in Appendix C of this permit shall be marked with the following information in clearly legible indelible lettering at least 75 millimetres high:
- (i) Name of the permit holder;
  - (ii) Telephone number of the permit holder.



3.5 Municipal Wastes (including Dry Recyclables and Organic Waste) shall only be collected in the following receptacles unless otherwise agreed in writing with the Local Authority and subject to as maybe otherwise provided in this permit-

- Wheeled hinged lid bins
- Skips
- Trailers
- Tankers
- Tipper Trucks

3.6 Where any local authority has made bye laws under Section 72 of the Roads Act 1993 the permit holder shall collect waste in skips in accordance with the requirements in the said bye laws.

3.7 All bins for the collection of municipal waste (residual, dry recyclables and organic waste) must be wheeled hinged lid bins and shall comply with standard I.S. EN840 parts 1-6.

3.8 All waste receptacles for municipal waste (including separately collected fractions) shall be identified with the name, address and telephone number of the permit holder in clearly legible lettering and a unique customer reference number. The permit holder shall supply the name and address of a customer to whom a reference number applies on request. The permit holder shall submit written details of the identification system to Limerick County Council for approval.

3.9 No skip, tanker, trailer or container used for the purposes of the activity to which this permit relates and which contains waste shall be left in a public place (as defined in the Litter Pollution Acts 1997 and 2003), other than where it is initially filled, unless it is on or attached to a mechanically propelled vehicle, which is in transit to a facility as listed in Appendix B to this permit

- 3.10 The permit holder shall ensure that all vehicles including skips and trailers transporting waste are appropriately covered during transit to prevent spillage and litter nuisance.
- 3.11 All vehicles and containers used for the purposes of the activity to which this permit relates shall be marked on at least two sides with the following information in clearly legible indelible lettering at least 75 millimetres high:
- (i) Name of the permit holder;
  - (ii) Telephone number of the permit holder;
  - (iii) A unique identification number for the skip, tanker, trailer or container.
- 3.12 The permit holder when using a skip for the purposes of the activity to which this permit relates shall provide the hirer with a written agreement detailing:
- (i) That the hirer shall not allow the placement of hazardous waste in the skip
  - (ii) The types of wastes which may be placed in the skip as, listed in appendix A to this permit.

#### 4.0 NOTIFICATION AND RECORD KEEPING

- 4.1 The permit holder shall notify Limerick County Council in relation to any conviction for an offence prescribed under Article 19 of the Waste Management (Collection Permit) Regulations, 2001 or any amendment to the Regulations, or any requirement of an order under sections 57 or 58 of the Act, within fourteen days of such a conviction or the imposition of such a requirement.
- 4.2 The permit holder shall notify the relevant local authority (i.e. the local authority in whose area the incident occurs) immediately after the incident and Limerick County Council within 1 week of the incident. This written record of the incident shall include the following information:
- (i) The date, time and location of the incident,
  - (ii) A full description of the incident,
  - (iii) Details of any measures taken to prevent or reduce environmental pollution or harm to human health which was caused or may be caused by the incident, and
  - (iv) Details of steps taken to avoid recurrence of similar incidents.
- 4.3 The permit holder shall notify Limerick County Council in advance of any proposal to increase the level of fees charged to householders for waste collection services provided.
- 4.4 The permit holder shall have a docket system for recording non-routine industrial/commercial/household and construction and demolition waste collection. One individually numbered docket shall be used per consignment of waste. Each docket shall at a minimum contain the following:
- (i) The name and waste collection permit number of the permit holder
  - (ii) Date of waste collection,
  - (iii) Vehicle Registration Number of the vehicle
  - (iv) Customer details
  - (v) Quantity of waste collected from the customer



- (vi) The local authority area of origin of the waste,
- (vii) Description of waste including European Waste Catalogue (EWC) code.
- (viii) The name, address and licence or permit number of the waste facility to which the consignment of will be delivered,
- (ix) Quantity of waste delivered to the waste facility in units of tonnes or litres,
- (x) Signature of the vehicle driver, and
- (xi) Signature of a representative of the waste facility of destination.

Items (i) to (vii) must be completed before any of the waste is collected and items (viii) to (xi) must be completed following transfer of any waste at the designated facility. The permit holder shall comply with the provisions of this condition unless otherwise agreed in writing by Limerick County Council.

4.5 The permit holder shall have a system for recording waste from a regular collection round of non-hazardous household and commercial waste producers. The system shall record:

- (i) Customer details
- (ii) Date of waste collection
- (iii) The area in which the waste originated
- (iv) The local authority of origin of the waste,
- (v) Description of waste including European Waste Catalogue (EWC) code.
- (vi) Facility or facilities to which the consignment will be delivered,
- (vii) Quantity of waste collected from customer

Items (i) to (vii) must be completed before any of the waste is collected. The permit holder shall comply with the provisions of this condition unless otherwise agreed in writing by Limerick County Council.

4.6 The permit holder shall carry the docket referred to in Conditions 4.4 on the vehicle that the waste they refer is being carried until control of the

waste is transferred to a facility specified in Appendix B of this permit. After that time, the permit holder shall retain the docket/records referred to in Conditions 4.4 and 4.5 at the principal place of business of the permit holder for a period of three years and shall be made available for inspection by an authorised person.

4.7 The permit holder shall, at the address of the principal place of business and, from the records prescribed in Condition 4.4 and 4.5 maintain up-to-date (or monthly) electronic summaries of the following information in respect of waste collected by the permit holder in each calendar month:

- (i) Local Authority area of Origin of Waste
- (ii) Point of collection - household or commercial premises
- (iii) EWC Codes, indicating whether or not the waste is hazardous
- (iv) Waste Description
- (v) Waste type – residual, dry, recyclable, organic or other
- (vi) Quantity of each waste type collected (in tonnes) per household or by commercial premises
- (vii) Destination of waste (i.e. facility name and address)
- (viii) Waste licence or waste permit register number of facilities to which waste is delivered
- (ix) Country of destination (if exported abroad for treatment)
- (x) The nature of the activity carried on at the waste facility to which waste is delivered (i.e. Disposal or recovery)
- (xi) The total number of households from which the permit holder collected waste per each local authority functional area
- (xii) The number of households provided with kerbside dry recyclable waste collection by the permit holder if different from (x) above per each local authority functional area
- (xiii) The number of households provided with pay by use collection system if different from (x) above, per each local authority functional area

- (xiv) The number of households provided with a biodegradable kerbside waste collection by the permit holder, per each local authority functional area

The information specified above shall be filled in on the Monthly Report form which is available on the Limerick County Council website at the following Internet address: [www.limerickcoco.ie](http://www.limerickcoco.ie) and [www.managewaste.ie](http://www.managewaste.ie)

- 4.8 The records maintained by the permit holder in accordance with Condition 4.7 shall be kept at the address of the principal place of business for at least three years and shall be made available for inspection by an authorised person at the address of the principal place of business during normal office hours.

- 4.9 The permit holder shall, not later than 31<sup>st</sup> January in each year furnish to Limerick County Council an Annual Environmental Report (AER) in respect of waste collection activities carried out by the permit holder in the preceding calendar year. The AER shall be a summary of the records maintained under Condition 4.7 of the permit. The AER shall contain the following information, in summary form, in respect of waste collected by the permit holder in the preceding calendar year:

- (xv) Local Authority area of Origin of Waste
- (xvi) Point of collection - household or commercial premises
- (xvii) EWC Codes, indicating whether or not the waste is hazardous
- (xviii) Waste Description
- (xix) Waste type – residual, dry recyclable, organic or other
- (xx) Quantity of each waste type collected (in tonnes) per household or by commercial premises
- (xxi) Destination of waste (i.e. facility name and address)
- (xxii) Waste licence or waste permit register number of facilities to which waste is delivered
- (xxiii) Country of destination (if exported abroad for treatment)



- (xxiv) The nature of the activity carried on at the waste facility to which waste is delivered (i.e. Disposal or recovery)
- (xxv) The total number of households from which the permit holder collected waste per each local authority functional area
- (xxvi) The number of households provided with kerbside dry recyclable waste collection by the permit holder if different from (x) above per each local authority functional area
- (xxvii) The number of households provided with pay by use collection system if different from (x) above, per each local authority functional area
- (xxviii) The number of households provided with a biodegradable kerbside waste collection by the permit holder, per each local authority functional area

The information specified above shall be filled in on the Annual Environmental Report form which is available on the Limerick County Council website at the following Internet address: [www.limerickcoco.ie](http://www.limerickcoco.ie) and [www.managewaste.ie](http://www.managewaste.ie). The completed form shall be submitted by the 31<sup>st</sup> January each year in respect of the preceding calendar year to Limerick County Council by e-mail to [rwmo@limerickcoco.ie](mailto:rwmo@limerickcoco.ie) unless otherwise agreed in writing with Limerick County Council. An Example of the report is given at the back of this permit.

- 4.10 A copy of all correspondence sent to and received from Limerick County Council regarding this waste collection permit shall be kept at the address of the principal place of business for at least three years following the date on which the correspondence is sent or received respectively and shall be made available for inspection by any authorised person.
- 4.11 The permit holder shall maintain at his principal place of business for at least three years a list of the name and address of each waste producer and waste facility from which the permit holder collects waste, for inspection by an authorised person.

- 4.12 All communications from the permit holder to Limerick County Council shall be addressed in writing by the permit holder to the following address: Environment Department, Limerick County Council, County Hall, Dooradoyle, Co Limerick. This condition does not apply in respect of the Annual Environmental Report as described in Condition 4.10.

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## 5. CHARGES AND FINANCIAL PROVISIONS.

5.1 The permit holder shall pay to the relevant Local Authority:

- (i) The cost of any investigations carried out or caused to be carried out by the local authority so as to enable it properly to decide on an application, or
- (ii) Any costs incurred by the local authority for the purpose of ensuring compliance by the holder of a permit with the requirements of the said permit, including the cost of any inspections, audits or investigations carried out or caused to be carried out by the local authority, and the taking and analysis of any sample.

5.2 The permit holder shall effect and maintain an appropriate and adequate policy of insurance in respect of vehicles used for the purposes of and liabilities arising from the waste collection activity, including employer's liability and public liability as relevant.

5.3 The permit holder shall maintain at all times Public Liability Insurance to the value of **€6.5m** for any one claim.



## 6.0 CONDITIONS SPECIFIC TO WASTE TYPES

### 6.1 COMMERCIAL AND INDUSTRIAL WASTE

- 6.1.1 From the date of grant of this permit, no commercial or industrial waste shall be collected unless a segregated dry recyclable collection is in place. The dry recyclable collection shall include materials listed in Appendix D. The permit holder shall ensure that adequate containers are provided in order to maximize the source segregation of individual streams.
- 6.1.2 A separate system for kerbside collection of organic waste from commercial and industrial premises shall be commenced by 1<sup>st</sup> January 2009 and be implemented by 2010 in accordance with the attached schedule Table 2. Details of compliance with the requirements of Table 2 of the Schedule shall be submitted in writing at the request of Limerick County Council.
- 6.1.3 The permit holder shall provide separate receptacles for packaging waste, which have been segregated in accordance with the Waste Management (Packaging) Regulations, 2007
- 6.1.4 The permit holder shall notify the local authority in advance of any proposal to alter/extend the materials for separate collection of dry recyclables under 6.1.1 above. The alterations shall not be implemented unless with written agreement of the nominated authority.

## **6.2 CONSTRUCTION AND DEMOLITION WASTE**

- 6.2.1 The permit holder shall take measures to ensure compliance with National targets for the recovery, recycling and re-use of construction and demolition wastes
- 6.2.2 Construction and demolition waste, where technically and economically feasible, shall be source segregated and transported for recovery, recycling or reuse.
- 6.2.3 The permit holder shall take appropriate measures to minimise dust emissions for waste prior to transport.
- 6.2.4 The permit holder shall ensure that no waste is deposited on the public road during the collection and transportation of the waste.
- 6.2.5 The permit holder shall not collect soil and stones containing hydrocarbons or dangerous substances unless specifically permitted in accordance with Condition 1.2 and as listed in Appendix A.
- 6.2.6 The permit holder shall ensure that no pollutants or other waste types are allowed to contaminate loads destined for recovery, recycling or reuse. The permit holder shall transfer contaminated loads to appropriate licensed / permitted facilities where segregation / treatment can be carried out.
- 6.2.7 Collection of construction and demolition wastes that are hazardous in nature is additionally subject to the conditions specified for Hazardous Wastes

## **6.3 END OF LIFE VEHICLES**

**THE PERMIT HOLDER IS NOT PERMITTED TO COLLECT THIS WASTE TYPE**

**6.4 HAZARDOUS WASTE (note includes waste asbestos, waste batteries, hazardous and non-hazardous healthcare wastes).**

THE PERMIT HOLDER IS NOT PERMITTED TO COLLECT THIS WASTE TYPE

**6.5 HOUSEHOLD WASTE (excluding bulky goods)**

**6.5.1 PAY BY USE**

Household waste shall only be collected in accordance with a Pay by Use system from the date of grant of this permit. To comply with this requirement a Pay by Lift, Pay by Tag, Pay by Weight system is acceptable. Systems relying on a flat charge are not acceptable. The system shall provide a clear explanation of the calculation of the waste charge and should provide an incentive for the customer to minimize residual waste. The permit holder shall forward a breakdown of the waste charge to the customer with the invoice or prior to renewal of contract and in any event at intervals not greater than six-month. This breakdown must identify in particular the proportional element of the charge and in cases where Pay by Weight is being used the weight per lift shall be included. In cases of Pay by Lift or Pay by Tag systems, the record of the number of lifts shall be included. All other charges should also be clearly identified on the invoice.

Details of the requirement for a Pay by Use system shall be submitted in writing for confirmation of compliance with this permit to the nominated authority within 6 weeks of the grant of this permit.

No household waste may be collected six months after issue of this permit unless the nominated authority has confirmed in writing that the Pay by Use system of the permit holder is in compliance with this permit.



## 6.5.2 DRY RECYCLABLE COLLECTION

No household waste shall be collected unless a separate dry recyclable collection system is in place. Dry recyclables may be collected in clear bags as an alternative to bins up to 1<sup>st</sup> December 2009. Dry Recyclables shall only be collected in bins in accordance with the criteria set out Section 3 of this permit thereafter. The dry recyclable collection shall include materials listed in Appendix D.

Details of this requirement for a separate dry recyclable collection system shall be submitted in writing for confirmation of compliance with this permit to the nominated authority within 6 weeks of the grant of this permit.

The ease of use and the extent to which it encourages the householders to divert waste from landfill and towards high quality recycling are some of the more important criteria that will be used by the nominated authority to assess suitability of the separate dry recyclable collection.

The minimum criteria for approval of the separate dry recyclable collection are as follows: -

- The dry recyclable capacity offered must be at least equal to the residual waste capacity offered
- The separate dry recyclable capacity must be available to the householder at the commencement of the contract with the householder
- The collection system must facilitate ease of use for the householder
- The collection must not be a source of littering
- The collection system must provide an incentive for the householder to recycle.

No household waste may be collected six months after issue of this permit unless the nominated authority has confirmed in writing that the

dry recyclable collection system of the permit holder is in compliance with this permit.

### **6.5.3 RESIDUAL WASTE**

Residual waste shall only be collected in bins unless other wise agreed with the local authority. Where a permit holder has an approved Pay by Use system, which includes the use of bags for residual waste, these bags must only be collected in bins as per the criteria outlined in Section 3 of this permit

Residual Waste may only be collected by previous arrangement with a householder. It shall be the responsibility of the permit holder to inform the customer about collection arrangements. Prior to collection the waste shall be stored within the curtilage of the customer's dwelling or in accordance with Waste Presentation Bye-Laws.

### **6.5.4 ORGANIC WASTE**

Permit Holders will only be permitted to collect household waste after 1<sup>st</sup> September 2009 where a separate organic waste collection system, which complies with the requirement of Table 1 of the Schedule is in place.

Details of the requirement for a separate organic waste collection system must be submitted in writing for confirmation of compliance with this permit to the nominated authority within six weeks of the grant of this permit. Subsequent phases must be submitted three months in advance of the target deadline.

Organic waste collections must initially focus on suitable urban and suburban areas and medium to large towns as listed in Table 3 of the

Schedule.(medium to large towns are described as those with a population over 800 persons see Table 5 CSO 2006)

Organic waste shall only be collected in bins in accordance with the criteria in Section 3 of this permit.

The charging system for organic waste shall incentivise households to participate in source segregation of organic waste. The frequency of collection must ensure the organic waste is suitable for further biological treatment.

Where a waste contractor intends to provide a collection service for a householder who has an existing segregated organic collection, then this contractor must provide the equivalent segregated organic collection to householder unless otherwise agreed in writing with the Local Authority.

No household waste may be collected six months after issue of this permit unless the nominated authority has confirmed in writing that the organic waste collection system of the permit holder is in compliance with the permit.

#### **6.5.5 EDUCATION AND AWARENESS**

The permit holder shall notify Limerick County Council and all persons availing of their domestic waste collection activities of the frequency of collection, a minimum of 10 working days in advance of any alternative arrangements made for collection in relation to public holidays etc or any proposal to cease or reduce the level of collection.

The permit holder shall implement an education and awareness programme in relation to waste management for householders. The programme shall be submitted to the nominated authority for review and approval within six weeks of the grant of this permit.

The programme shall include, unless otherwise agreed with Limerick County Council:

- Timetable for implementation of the education and awareness programme including a door-to-door campaign initially targeting customers moving to segregated organic collection.
- This segregated organic collection must be a four month awareness campaign commencing on the 1<sup>st</sup> May 2009 and should focus on what should be included in the organic bin and what will contaminate an organic bin.
- Details of mail-shots and leaflet drops at least two per annum of which one must deal with dry recyclable and these should be forwarded to customer with invoice run.
- Details of newspaper advertisements of which one must deal with the additional waste materials accepted following the Christmas period. The size of this ad must be of the order of 8" x 3".
- Details of a customer help-line including details of staff training.
- Procedures for rejected/contaminated materials.

The permit holder shall send a copy of all promotional material to the Environment Department, Limerick County Council, County Hall, Dooradoyle, Co. Limerick.

#### 6.5.6 HOUSEHOLD WASTE- BULKY GOODS

The Permit holder **is not permitted** to collect normal domestic refuse that would ordinarily be generated and presented on an ongoing or regular basis.

The Permit Holder **is permitted** to collect bulky waste items of household waste for recovery, reuse, recycling or disposal, that are generally too large to be accommodated in a domestic wheeled bin.



Bulky Waste may only be collected by previous arrangement with a householder. It shall be the responsibility of the permit holder to inform the customer about collection arrangements. Prior to collection the waste shall be stored within the curtilage of the customer's dwelling.

## **6.6 SLUDGES/SLURRIES AND SEPTIC TANK WASTE**

6.6.1 The permit holder must notify the local authority in the jurisdiction in which they land spread sewage sludge, including septic tank waste, of the quantities of waste to be spread and the area being used in advance of commencing this activity.

6.6.2 The permit holder shall ensure where wastes collected originate from an Integrated Pollution Prevention and Control (IPPC) licensed facility the waste shall be transported to appropriate facilities as governed under the IPPC licence.

6.6.3 The permit holder shall ensure that the spreading of sludge on lands, which are exempt from the requirement to hold a waste licence under Section 39 of the Waste Management Act, 1996 by virtue of Section 51(2)(a) of the Act, is carried out in accordance with a nutrient management plan and in accordance with current guidelines, codes of practice and relevant legislation.

6.6.4 The permit holder shall be familiar with the requirement placed on holders of waste arising from any bye-laws made under Section 21 of the Local Government (Water Pollution) Act, 1990 by the local authorities in whose area a disposal / recovery activity is being carried out and shall keep a copy of all such bye-laws at the address of the principal place of business

6.6.5 Where bye-laws referred to in Condition 6.6.4 have been made by one or more of the local authorities within the Limerick/Clare/Kerry region the

permit holder shall not spread waste on the lands unless it is in accordance with the requirements of the bye-laws in force in the local authority concerned.

## **6.7 WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT**

6.7.1 Where Waste Electrical and Electronic Equipment (WEEE) collected by the permit holder is of a hazardous nature as defined in the European Waste Catalogue (EWC), the permit holder shall adhere to the special conditions relating to collection of hazardous waste.

6.7.2 WEEE shall only be collected, handled, transported and stored in a manner so as to avoid damage that would prevent equipment or components from being reused, recycled or recovered.

6.7.3 WEEE shall only be transported to designated WEEE collection points and or civic amenity sites. These sites must be included in Appendix B attached.

## **6.8 WASTE OILS (mineral oil and synthetic oil)**

6.8.1 All loading, unloading and storage of waste oils shall take place within the designated areas of any facilities, which shall be adequately bunded to ensure that any spillages that occur are retained and returned for reprocessing.

6.8.2 Waste oils shall be collected, handled, transported and stored in a manner so as to minimise the risks of contamination to all environmental media or endangerment to the general public and their health in accordance with Council Directive 75/439/EEC as amended by Council Directive 87/101/EEC.

- 6.8.3 All oily waters collected with the waste oil shall be transferred with the waste oil to the licensed or permitted waste oil recovery facility.
- 6.8.4 The permit holder must not mix waste oils containing PCBs within the meaning of Directive 76/403/EEC with other hazardous waste.
- 6.8.5 The Permit Holder shall adhere to the special conditions relating to collection of hazardous waste.

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## Appendix A

### Permitted waste types in accordance with Condition 1.2.

#### 02 WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING

02 01 wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing

02 01 03 plant-tissue waste

02 01 04 waste plastics (except packaging)

02 01 10 waste metal

02 02 wastes from the preparation and processing of meat, fish and other foods of animal origin

02 02 03 materials unsuitable for consumption or processing

02 05 wastes from the dairy products industry

02 05 01 materials unsuitable for consumption or processing

02 06 wastes from the baking and confectionery industry

02 06 01 materials unsuitable for consumption or processing

02 07 wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)

02 07 04 materials unsuitable for consumption or processing

#### 03 WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD

03 01 wastes from wood processing and the production of panels and furniture

03 01 01 waste bark and cork

03 01 05 sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in

03 01 04

03 03 wastes from pulp, paper and cardboard production and processing

03 03 08 wastes from sorting of paper and cardboard destined for recycling

#### 10 WASTES FROM THERMAL PROCESSES

10 11 wastes from manufacture of glass and glass products

10 11 03 waste glass-based fibrous materials

#### 15 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED

15 01 packaging (including separately collected municipal packaging waste)

15 01 01 paper and cardboard packaging

15 01 02 plastic packaging

15 01 03 wooden packaging

15 01 04 metallic packaging

15 01 05 composite packaging

15 01 06 mixed packaging

15 01 07 glass packaging

15 01 09 textile packaging

15 02 absorbents, filter materials, wiping cloths and protective clothing

15 02 03 absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02

#### 16 WASTES NOT OTHERWISE SPECIFIED IN THE LIST

16 01 end-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except

13, 14, 16 06 and 16 08)

16 01 17 ferrous metal

16 01 18 non-ferrous metal

16 01 19 plastic

16 01 20 glass

16 02 wastes from electrical and electronic equipment

16 02 14 discarded equipment other than those mentioned in 16 02 09 to 16 02 13

16 02 16 components removed from discarded equipment other than those mentioned in 16 02 15

16 03 off-specification batches and unused products

WCP/LK/069/07e

Doc Revised June 2008

Page 28 of 38

069/07e  
Page 1



- 16 03 04 inorganic wastes other than those mentioned in 16 03 03
- 16 03 06 organic wastes other than those mentioned in 16 03 05

**17 CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)**

- 17 01 concrete, bricks, tiles and ceramics**
  - 17 01 01 concrete
  - 17 01 02 bricks
  - 17 01 03 tiles and ceramics
  - 17 01 07 mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
- 17 02 wood, glass and plastic**
  - 17 02 01 wood
  - 17 02 02 glass
  - 17 02 03 plastic
- 17 04 metals (including their alloys)**
  - 17 04 01 copper, bronze, brass
  - 17 04 02 aluminium
  - 17 04 03 lead
  - 17 04 04 zinc
  - 17 04 05 iron and steel
  - 17 04 06 tin
  - 17 04 07 mixed metals
  - 17 04 11 cables other than those mentioned in 17 04 10
- 17 05 soil (including excavated soil from contaminated sites), stones and dredging spoil**
  - 17 05 04 soil and stones other than those mentioned in 17 05 03
- 17 06 insulation materials and asbestos-containing construction materials**
  - 17 06 04 insulation materials other than those mentioned in 17 06 01 and 17 06 03
- 17 09 other construction and demolition wastes**
  - 17 09 04 mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03

**18 WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate health care)**

- 18 01 wastes from natal care, diagnosis, treatment or prevention of disease in humans**
  - 18 01 04 wastes whose collection and disposal is not subject to special requirements in order to prevent infection (for example dressings, plaster casts, linen, disposable clothing, diapers)

**19 WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE**

- 19 05 wastes from aerobic treatment of solid wastes**
  - 19 05 01 non-composted fraction of municipal and similar wastes
  - 19 05 02 non-composted fraction of animal and vegetable waste
  - 19 05 03 off-specification compost
  - 19 05 99 wastes not otherwise specified
- 19 08 wastes from waste water treatment plants not otherwise specified**
  - 19 08 12 sludges from biological treatment of industrial waste water other than those mentioned in 19 08 11
- 19 10 wastes from shredding of metal-containing wastes**
  - 19 10 01 iron and steel waste
  - 19 10 02 non-ferrous waste
  - 19 10 04 fluff-light fraction and dust other than those mentioned in 19 10 03
- 19 12 wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified**
  - 19 12 01 paper and cardboard
  - 19 12 02 ferrous metal
  - 19 12 03 non-ferrous metal
  - 19 12 04 plastic and rubber
  - 19 12 05 glass

19 12 07 wood other than that mentioned in 19 12 06  
19 12 08 textiles  
19 12 09 minerals (for example sand, stones)  
19 12 10 combustible waste (refuse derived fuel)  
19 12 12 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11

**20 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS**

**20 01 separately collected fractions (except 15 01)**

20 01 01 paper and cardboard  
20 01 02 glass  
20 01 08 biodegradable kitchen and canteen waste  
20 01 10 clothes  
20 01 11 textiles  
20 01 25 edible oil and fat  
20 01 28 paint, inks, adhesives and resins other than those mentioned in 20 01 27  
20 01 30 detergents other than those mentioned in 20 01 29  
20 01 36 discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35  
20 01 38 wood other than that mentioned in 20 01 37  
20 01 39 plastics  
20 01 40 metals  
20 01 41 wastes from chimney sweeping  
**20 02 garden and park wastes (including cemetery waste)**  
20 02 01 biodegradable waste  
20 02 02 soil and stones  
20 02 03 other non-biodegradable wastes  
**20 03 other municipal wastes**  
20 03 01 mixed municipal waste  
20 03 02 waste from markets  
20 03 03 street-cleaning residues  
20 03 07 bulky waste

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## Appendix B

### Permitted disposal or recovery sites to be used in accordance with Condition 2.3

- Novelis UK Ltd., Novelis Can, Litho & Recycling, Latchford Lock Works, Warrington, Cheshire, WA4 1NP. **IPC Permit No. BL6802IU**
- Alternative Waste Solutions, Unit 2 Britannia Business Park, Point Pleasant Ind Est., Wallsend, Tyne and Wear, NE28 6HA. **Registration Number YNA/838807/CB**
- Alternative Waste Solutions, Hangar 4, Caenby Corner Industrial Estate, Hemswell Cliff, Gainsborough, DN21 5TH. **Waste Management Licence No. EA/WML/73274**
- North Tipperary County Council, Ballaghveny Landfill, Ballymackey, Toomevara, Nenagh, Co. Tipperary **Waste Licence No. W0078-02**
- Clare County Council, Central Waste Management Facility, Ballyduff Beg, Inagh, Co. Clare. **Waste Licence No. W0109-01**
- Tullagower Quarries Ltd. (Clare Re-Cycling and Manufacturing), Kilrush, Co. Clare. **Waste Permit No. 015/05/WPT/CL**
- Greenstar Ltd., Connaught Regional Residual Landfill, Kilconnell, Ballinasloe, Co. Galway. **Waste Licence No. W0178-01**
- Limerick County Council, Gortadroma Landfill, Gortadroma, Ballyhahill, Co. Limerick. **Waste Licence No. W017-03**
- Highlander International Recycling, 1 Teign Grove, Gardenhall East Kilbride, G75 8UZ. **Registration Number: SCO/044794/CB**
- Hegarty Metals Processors Ltd., t/a Hegarty Metal Recycling, Ballysimon Road, Limerick. **Waste Permit No: WP05-04** see  
P2001
- KTK Landfill Ltd., Brownstown and Carnalway, Kilcullen, Co. Kildare. **Waste Licence No. W0081-03**
- Mr. Binman Ltd., Crowley Brothers Warehouse No.1, Durnish, Harbour Road, Foynes, Co. Limerick. **Waste Permit No: WPLK 100**
- Mr. Binman Ltd., Luddenmore, Grange, Kilmallock, Co. Limerick. **Waste Licence No. W0061-02**
- O' Toole Composting, Ballintrane, Fenagh, Co. Carlow. **Waste Permit No: W.P. 04/05**
- Quinn Glass Ltd., Toneymore, Derrylin, Co. Fermanagh BT92 9AU.

- Smurfit Recycling Ireland Ltd., Ballymount Rd, Walkinstown, Dublin. **Waste Permit No: WPR 021/3**
- Limerick County Council, Castletroy Sewage Treatment Plant, Castletroy, Limerick.
- Veolia Ireland Ltd., Dock Road, Limerick **Waste Licence No. W0082-02**
- Donohill Landfill, Garryshane, Donohill, Co. Tipperary **Waste Licence No. W0074-02.**
- Clearpoint Ltd., Ballylynch, Carrick-on-Suir, Co Tipperary **Waste Permit No. WM WP12/05**

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## Appendix C

### Permitted collection vehicles to be used in accordance with Condition 3.1

Registration No	Vehicle Type
95LK 4033	Daf Articulated Lorry
96LK4469	Daf Articulated Lorry
97D35845	Iveco Skip
97KE1299	Hino Tipper Truck
98LK5566	Daf Articulated Lorry
00LK5936	Volvo Other Goods Heavy
00LK8078	Dennis Refuse Collector
00LK8372	Dennis Refuse Collector
01LK2329	Iveco Other Goods Heavy
01LK1959	Hino Other Goods Heavy
01LK5284	Dennis Refuse Collector
01LK579	Dennis Refuse Collector
01LK5965	Iveco Articulated Lorry
01LK5964	Hino Other Goods Heavy
02 D 70137	Iveco Glass Truck
02LK4703	Iveco Skip
02LK4492	Dennis Refuse Collector
02LK4516	Dennis Refuse Collection
02LK4517	Dennis Refuse Collector
02LK5324	Dennis Refuse Collector
02LK5288	Hino Other Goods Heavy
02LK3867	Iveco Glass Truck
03D4725	Iveco Truck
03LK1825	Iveco Articulated Truck
03LK103	Dennis Refuse Collector
03LK104	Dennis Refuse Collector
03LK105	Dennis Refuse Collector
03LK3476	Dennis Refuse Collector
03LK4987	Dennis Refuse Collector
04LK4827	Iveco Articulated Lorry
04LK2	Dennis Refuse Collector
04LK3	Dennis Refuse Collector
04LK4	Dennis Refuse Collector

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04LK5	Dennis Refuse Collector
04LK6	Scania Glass Truck
05LK2723	Iveco Skip Lorry
05LK5660	Iveco Artic
05WH1032	Fiat
05LK3980	Iveco Pick Up
06LK2574	Iveco Skip Truck
06LK2773	Iveco Skip Truck
06LK3265	Hino Artic
06LK467	Hino Skip Lorry
06LK4406	Daf Refuse Collector
06LK2723	Iveco Artic
07 LK 10	REL
07 LK 11	DAF Dual Compartment RCV
07 LK 12	DAF Dual Compartment RCV
07 LK 13	DAF Dual Compartment RCV
07 LK 14	DAF Dual Compartment RCV
07 LK 15	DAF Dual Compartment RCV
07 LK 20	Skip Truck
07 LK 21	Skip Truck
07 LK 22	Iveco Artic
07 LK 23	Iveco Artic
07 LK 24	Pickup
07 LK 5332	Iveco
07 LK 16	DAF
07 LK 17	DAF
07 LK 5331	DAF
07 LK 6661	Hino
07 LK 6839	Iveco
07 LK 6856	DAF RCV
07 LK 6858	DAF RCV

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## Appendix D

### MINIMUM LIST OF WASTE TYPES TO BE INCLUDED IN DRY RECYCLABLE COLLECTION.

Newspapers Magazines, mailshots & Office Paper	√
Cardboard (cereal boxes Washing powder boxes)	√
Plastic Bottles (drinks, shampoos)	√
Tetrapaks	√
Cans & Tins (Drinks cans, Tinned Food cans)	√
Plastic Film/Packaging	√
Glass(Optional)	*

\* Glass must be collected separately when collected due to its contamination effect on paper waste.

## Appendix E

**Provisions of Community Acts, which are to be given effect to in relevant waste collection permits granted by a local authority.**

Community Acts
Council Directive 75/439/EEC of 16 June, 1975 on the disposal of waste oils, as amended by Council Directive 87/101/EEC of 22 December 1986
Council Directive 87/217/EEC of 19 March, 1987 on the prevention and reduction of environmental pollution by asbestos.
Council Directive 91/689/EEC of 12 December, 1991 on hazardous waste.
Directive 2000/76/EC of the European Parliament and of the Council of 4 December 2000 on the incineration of waste.
Council Directive 75/442/EEC of 15 July, 1975 on waste, as amended by Council Directive 91/156/EEC of 18 March, 1991 and codified under Directive 2006/12/EC of the European Parliament and the Council of 5 April 2006 on waste
Directive 2002/96/EC of the European Parliament and of the Council of 27 January 2003 on waste electrical and electronic equipment, as amended by Directive 2003/108/EC of the European Parliament and of the Council of 8 December 2003;
Directive 2000/53/EC of the European Parliament and of the Council of 18 September 2000 on end-of- life vehicles as amended by Commission Decision 2005/673/EC of 27 June 2002
Directive 94/62/EC of the European Parliament and of the Council of 20 December 1994 on packaging and packaging waste, as amended by Directive 2004/12/EC of the European Parliament and of the Council of 11 February 2004
Directive 2000/60/EC of the European Parliament and of the Council of 23 October, 2000 establishing a framework for Community action in the field of water policy.
Council Directive 91/676/EEC of 12 December 1991 concerning the protection of waters against pollution caused by nitrates from agricultural sources.
Council Directive 80/68/EEC of 17 December, 1979 on the protection of groundwater against pollution caused by certain dangerous substances.
Council Directive 76/464/EEC of 4 May 1976 on pollution caused by certain dangerous substances discharged into the aquatic environment.
Regulation (EC) No. 2037/2000 of the European Parliament and of the Council of 29 June 2000 on substances that deplete the ozone layer, as amended by European Parliament and Council Regulations (EC) Nos. 2038/2000, 2039/2000 and 1804/2003, Commission Regulation 2077/2004 and Commission Regulation 29/2006



<b>Community Acts</b>
Regulation (EC) No. 842/2006 of the European Parliament and of the Council of 17 May 2006 on certain fluorinated greenhouse gases.
Council Directive 91/157/EEC of 18 March 1991 on batteries and accumulators containing certain dangerous substances as amended by Commission Directive 93/86/EEC of 4 October 1993 and by Commission Directive 98/101/EC of 22 December 1998
Directive 2006/66/EC of the European Parliament and the Council on batteries and accumulators and waste batteries and accumulators of 6 September 2006 and repealing Directive 91/157/EEC

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**TABLE 1****Schedule for Segregated Organic Waste Collection for Households**

<b>Date</b>	<b>Target</b>
1 <sup>st</sup> September 2009	20% of Households must have segregated organic collection in each local authority area and shall be primarily located the areas listed in Table 3 below
31 <sup>st</sup> Dec 2010	40% of Households must have a segregated organic collection in each local authority area and shall be primarily located the areas listed in Table 3 below as well as the remaining medium to large towns*

\*medium to large towns (medium to large towns are described as those with a population over 800 persons see Table 5 CSO 2006)

**TABLE 2****Schedule for Segregated Organic Waste Collection for Commercial Collections.**

<b>Date</b>	<b>Target</b>
1st January 2009	50% Diversion of Commercial Organic Waste from Landfill
1 <sup>st</sup> January 2010	100% Diversion of Commercial Organic Waste from Landfill

**TABLE 3**

<b>Local Authority</b>	<b>Organic Waste Collection Areas</b>
Limerick City	All of Limerick City excluding areas involved in the North and South side regeneration schemes.
Limerick County	Areas covered by the Castletroy & Southern Environs Local Area Plans as well as Newcastle West, Abbeyfeale & Kilmallock
Clare County	Ennis, Suburban Area adjoining Limerick City
Kerry County	Tralee, Killarney, Listowel, Castleisland & Dingle



**Limerick/Clare/Kerry  
Regional Waste Management Office**

Limerick County Council,  
Lissanalla House, Dooradoyle, Limerick

E: [rwmo@limerickcoco.ie](mailto:rwmo@limerickcoco.ie)

W: [www.managewaste.ie](http://www.managewaste.ie)

T: 061-496596

F: 061-583955

WCP/LK/069 CS/PMcM

12<sup>th</sup> January 2009

**REGISTERED POST**

**Mr. Binman  
Luddenmore  
Grange  
Kilmallock  
Co. Limerick**

**Re: Waste Management (Collection Permit) Regulations, 2001.  
Waste Collection Permit No. WCP/LK/069/08e**

Dear Sir,

I wish to refer to the above and to your recent request for the addition of a Facility and Vehicle Registrations to the aforementioned Waste Collection Permit.

Please note that the permit holder may now use the facilities contained in the attached document for recovery/ disposal of waste, subject to the general conditions of WCP/LK/069/08e and the conditions for specific waste types contained in Condition 6 of WCP/LK/069/08e.

Please note that the permit holder may use the vehicles registrations contained in the attached document, subject to the general conditions of WCP/LK/069/08e and the conditions for specific waste types contained in Condition 6 of WCP/LK/069/08e.

**Please ensure that a copy of this letter and attached documentation is attached to your Waste Collection Permit and kept in each named vehicle.**

If you have any queries, please contact the Regional Waste Management Office at 061 496596.

Yours faithfully,

**Carol Sweetnam,  
Executive Scientist,  
Regional Waste Management Office.**

## Appendix B

### Permitted disposal or recovery sites to be used in accordance with Condition 2.3

- Alternative Waste Solutions (Gainsborough), Hangar 4, Caenby Corner Industrial Estate, Hemswell Cliff, Gainsborough, DN21 5TH Waste Permit: EA/WWL/73274
- Alternative Waste Solutions (Tyne and Wear), Unit 2 Britannia Business Park, Point Pleasant Industrial Estate, Wallsend, Tyne and Wear, NE28 6HA Waste Permit: YNA/838807/CB
- Asia Global Trade Ltd., Suite 5, 30 Lancaster Gate, London, W2 3LP UK Waste Permit: TNE/377194/B
- Ballaghveny Landfill., North Tipperary County Council, Ballymackey, Nenagh, Co. Tipperary Waste Permit: W0078-02
- Ballyduff Beg Central Waste Management Facility., Ballyduff Beg, Inagh, Co. Clare Waste Permit: W0109-01
- Castletroy Wastewater Treatment Plant., Castletroy, Co. Limerick Waste Permit: N/A
- Choice Waste Management Ltd., Unit D Stratton Business Park, Montgomery Way, Biggleswade, Bedfordshire, SG18 8QB, UK Waste Permit:
- Clare Waste Recycling Co Ltd., Tuamgraney, Scarriff, Co. Clare Waste Permit: 010/07/WPT/CL
- Crumb Rubber Ireland Ltd., Mooretown, Dromiskin, Dundalk, Co. Louth Waste Permit: WP 2007/07
- Donohill Landfill., South Tipperary County Council, Garryshane, Donohill, Co. Tipperary Waste Permit: W0074-02
- Enva Ireland Ltd. (Portlaoise), Clonminam Industrial Estate, Portlaoise, Co. Laois Waste Permit: W0184 -01
- Erin Recyclers Ltd., Deepwater Quay, Sligo Harbour, Sligo, Co. Sligo Waste Permit: WP-SO-03-10
- Gortadroma Landfill., Ballyhahill, Co. Limerick Waste Permit: W0017-03
- Greenstar (Wicklow), Ballynagran Residual Landfill, Ballynagran, Co. Wicklow Waste Permit: W0165-01
- Greenstar Holdings Ltd. (Ballinasloe), Connaught Regional Residual Landfill, Kilconnell, Ballinasloe, Co. Galway Waste Permit: W0187-01
- Greenstar Ltd. (Bray Depot), Bray Depot, Fassaroe, Bray, Co. Wicklow Waste Permit: W0053-03
- Gypsum Recycling Ireland Ltd., Rathcoffey, Donadea, Naas, Co. Kildare Waste Permit: WMP 238/2006
- Hegarty Metals., Ballysimon Road, Limerick Waste Permit: WP 05-04
- Highlander International Recycling., 1 Teign Grove, Gardenhall, East Kilbride, G75 8UZ Waste Permit: SCO/044794/CB
- JFC Plastics Ltd., Unit 6 Goldicote Business Park, Ettington, Stratford Upon Avon, CV37 7NB Waste Permit:
- Knockharley Landfill., Greenstar Holdings Ltd., Knockharley, Kentstown, Co. Meath Waste Permit: W0146-01

LIMERICK CLARE KERRY
BWMD
17 JAN 2008
WCP: LK. 069/080
SIGNED: <i>[Signature]</i>



- KTK Landfill., Brownstown, Kilcullen, Co. Kildare Waste Permit: W081-03
- Marwin Environmental Trading Ltd., The Rubicon Centre, CIT Campus, Bishopstown, Cork.
- Midland Scrap Metal Co. Ltd., Harbour Street, Mountmellick, Co. Laois Waste Permit: WMP0005D
- Mr. Binman Ltd., Grange, Luddenmore, Kilmallock, Co. Limerick Waste Permit: W0061-02
- Mr. Binman Ltd. (Carrick-on-Suir), Clearpoint, Ballylynch, Carrick-on-Suir, Co. Tipperary Waste Permit: WP 12/05
- Mr. Binman Ltd. (Foynes), Crowley Brothers Warehouse No. 1, Durnish, Harbour Road, Foynes, Co. Limerick Waste Permit: WPLK 100A
- Neiphin Trading Ltd. (A1 Waste), Kerdiffstown, Naas, Co. Kildare Waste Permit: W0047-02
- Novelis UK Ltd., Novelis Can, Litho & Recycling, Latchford Lock Works, Warrington, Cheshire, WA4 1NP Waste Permit: BL68021U
- O'Toole Composting., Ballintrane, Fenagh, Co. Carlow Waste Permit: WP 04/05
- Peute Paper Recycling BV., Veerplast 40, 3313 LJ Dordrecht, Netherlands Waste Permit:
- Quinn Glass Ltd., Toneymore, Derrylin, Co. Fermanagh, BT92 9AU Waste Permit:
- Smurfit Recycling Ireland Ltd., Ballymount Road, Walkinstown, Dublin Waste Permit: WPR 021/2
- Tullagower Quarries Ltd., Tullagower, Kilrush, Co. Clare Waste Permit: 015/05/WPT/CL
- Veolia Environmental Services (Limerick), Dock Road, Limerick Waste Permit: W0082-02

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LIMERICK/CLARE/KERRY  
 BOARD  
 W.P.L.K. 06/10/05  
 SIGNED *man*



**Limerick/Clare/Kerry  
Regional Waste Management Office**

Limerick County Council,  
Lissanalta House, Dooradoyle, Limerick

E: [rwmo@limerickcoco.ie](mailto:rwmo@limerickcoco.ie)  
W: [www.managewaste.ie](http://www.managewaste.ie)  
T: 061-496596  
F: 061-583955

WCP/LK/069 CS/PMcM

23<sup>rd</sup> February 2009

**REGISTERED POST**

**Mr. Binman  
Luddenmore  
Grange  
Kilmallock  
Co. Limerick**

**Re: Waste Management (Collection Permit) Regulations, 2001.  
Waste Collection Permit No. WCP/LK/069/08e**

Dear Sir,

I wish to refer to the above and to your recent request for the addition of an EWC code and Vehicle Registrations to the aforementioned Waste Collection Permit.

Please note that the permit holder may collect the waste types contained in the attached document, subject to the general conditions of WCP/LK/069/08e and the conditions for specific waste types contained in Condition 6 of the WCP/LK/069/08e.

Please note that the permit holder may use the vehicles registrations contained in the attached document, subject to the general conditions of WCP/LK/069/08e and the conditions for specific waste types contained in Condition 6 of WCP/LK/069/08e.

**Please ensure that a copy of this letter and attached documentation is attached to your Waste Collection Permit and kept in each named vehicle.**

If you have any queries, please contact the Regional Waste Management Office at 061 496596.

Yours faithfully,

**Carol Sweetnam,  
Executive Scientist,  
Regional Waste Management Office.**

## Appendix A

### Permitted waste types in accordance with Condition 1.2.

#### **02 WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING**

- 02 01 wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing
- 02 01 03 plant-tissue waste
- 02 01 04 waste plastics (except packaging)
- 02 01 10 waste metal
- 02 02 wastes from the preparation and processing of meat, fish and other foods of animal origin
- 02 02 03 materials unsuitable for consumption or processing
- 02 05 wastes from the dairy products industry
- 02 05 01 materials unsuitable for consumption or processing
- 02 06 wastes from the baking and confectionery industry
- 02 06 01 materials unsuitable for consumption or processing
- 02 07 wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)
- 02 07 04 materials unsuitable for consumption or processing

#### **03 WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD**

- 03 01 wastes from wood processing and the production of panels and furniture
- 03 01 01 waste bark and cork
- 03 01 05 sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04
- 03 03 wastes from pulp, paper and cardboard production and processing
- 03 03 08 wastes from sorting of paper and cardboard destined for recycling

#### **10 WASTES FROM THERMAL PROCESSES**

- 10 11 wastes from manufacture of glass and glass products
- 10 11 03 waste glass-based fibrous materials

#### **15 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED**

- 15 01 packaging (including separately collected municipal packaging waste)
- 15 01 01 paper and cardboard packaging
- 15 01 02 plastic packaging
- 15 01 03 wooden packaging
- 15 01 04 metallic packaging
- 15 01 05 composite packaging
- 15 01 06 mixed packaging
- 15 01 07 glass packaging
- 15 01 09 textile packaging
- 15 02 absorbents, filter materials, wiping cloths and protective clothing
- 15 02 03 absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02

#### **16 WASTES NOT OTHERWISE SPECIFIED IN THE LIST**

- 16 01 end-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)
- 16 01 03 end-of-life tyres
- 16 01 17 ferrous metal
- 16 01 18 non-ferrous metal
- 16 01 19 plastic
- 16 01 20 glass
- 16 02 wastes from electrical and electronic equipment

16 02 14 discarded equipment other than those mentioned in 16 02 09 to 16 02 13  
16 02 16 components removed from discarded equipment other than those mentioned in 16 02 15  
**16 03 off-specification batches and unused products**  
16 03 04 inorganic wastes other than those mentioned in 16 03 03  
16 03 06 organic wastes other than those mentioned in 16 03 05

**17 CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)**

**17 01 concrete, bricks, tiles and ceramics**

17 01 01 concrete  
17 01 02 bricks  
17 01 03 tiles and ceramics  
17 01 07 mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06

**17 02 wood, glass and plastic**

17 02 01 wood  
17 02 02 glass  
17 02 03 plastic

**17 04 metals (including their alloys)**

17 04 01 copper, bronze, brass  
17 04 02 aluminium  
17 04 03 lead  
17 04 04 zinc  
17 04 05 iron and steel  
17 04 06 tin  
17 04 07 mixed metals

17 04 11 cables other than those mentioned in 17 04 10

**17 05 soil (including excavated soil from contaminated sites), stones and dredging spoil**

17 05 04 soil and stones other than those mentioned in 17 05 03

**17 06 insulation materials and asbestos-containing construction materials**

17 06 04 insulation materials other than those mentioned in 17 06 01 and 17 06 03

**17 08 gypsum-based construction material**

17 08 02 gypsum-based construction materials other than those mentioned in 17 08 01

**17 09 other construction and demolition waste**

17 09 04 mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03

**18 WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate health care)**

**18 01 wastes from natal care, diagnosis, treatment or prevention of disease in humans**

18 01 04 wastes whose collection and disposal is not subject to special requirements in order to prevent infection (for example dressings, plaster casts, linen, disposable clothing, diapers)

**19 WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE**

**19 05 wastes from aerobic treatment of solid wastes**

19 05 01 non-composted fraction of municipal and similar wastes  
19 05 02 non-composted fraction of animal and vegetable waste  
19 05 03 off-specification compost

19 05 99 wastes not otherwise specified

**19 08 wastes from waste water treatment plants not otherwise specified**

19 08 01 screenings

19 08 02 waste from desanding

19 08 05 sludges from treatment of urban waste water

19 08 12 sludges from biological treatment of industrial waste water other than those mentioned in 19 08 11

19 08 99 wastes not otherwise specified

**19 10 wastes from shredding of metal-containing wastes**

19 10 01 iron and steel waste



19 10 02 non-ferrous waste  
19 10 04 fluff-light fraction and dust other than those mentioned in 19 10 03  
**19 12 wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified**  
19 12 01 paper and cardboard  
19 12 02 ferrous metal  
19 12 03 non-ferrous metal  
19 12 04 plastic and rubber  
19 12 05 glass  
19 12 07 wood other than that mentioned in 19 12 06  
19 12 08 textiles  
19 12 09 minerals (for example sand, stones)  
19 12 10 combustible waste (refuse derived fuel)  
19 12 12 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11

**20 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS**

**20 01 separately collected fractions (except 15 01)**

20 01 01 paper and cardboard  
20 01 02 glass  
20 01 08 biodegradable kitchen and canteen waste  
20 01 10 clothes  
20 01 11 textiles  
20 01 25 edible oil and fat  
20 01 28 paint, inks, adhesives and resins other than those mentioned in 20 01 27  
20 01 30 detergents other than those mentioned in 20 01 29  
20 01 36 discarded electrical and electronic equipment other than those mentioned in 20 01 21 20 01 23 and 20 01 35  
20 01 38 wood other than that mentioned in 20 01 37  
20 01 39 plastics  
20 01 40 metals  
20 01 41 wastes from chimney sweeping  
**20 02 garden and park wastes (including cemetery waste)**  
20 02 01 biodegradable waste  
20 02 02 soil and stones  
20 02 03 other non-biodegradable wastes  
**20 03 other municipal wastes**  
20 03 01 mixed municipal waste  
20 03 02 waste from markets  
20 03 03 street-cleaning residues  
20 03 07 bulky waste

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## Appendix C

### Permitted collection vehicles to be used in accordance with Condition 3.1

Registration No	Vehicle Type
95LK 4033	Daf Articulated Lorry
97D35845	Iveco Skip
97KE1299	Hino Tipper Truck
98LK5566	Daf Articulated Lorry
00LK5936	Volvo Other Goods Heavy
01LK1959	Hino Other Goods Heavy
02 D 70137	Iveco Glass Truck
02LK4703	Iveco Skip
02LK4492	Dennis Refuse Collector
02LK4516	Dennis Refuse Collector
02LK4517	Dennis Refuse Collector
02LK5324	Dennis Refuse Collector
02LK5288	Hino Other Goods Heavy
02LK3867	Iveco Glass Truck
01LK1959	Hino Other Goods Heavy
01LK5284	Dennis Refuse Collector
03LK103	Dennis Refuse Collector
03LK104	Dennis Refuse Collector
03LK105	Dennis Refuse Collector
03LK3476	Dennis Refuse Collector
03LK4987	Dennis Refuse Collector
04LK4827	Iveco Articulated Lorry
04LK2	Dennis Refuse Collector
04LK3	Dennis Refuse Collector
04LK4	Dennis Refuse Collector
04LK5	Dennis Refuse Collector
04LK6	Scania Glass Truck
05LK2723	Iveco Skip Lorry
05LK5660	Iveco Artic
05LK3980	Iveco Pick Up

06LK2574	Iveco Skip Truck
06LK2773	Iveco Skip Truck
06LK3265	Hino Artic
06LK467	Hino Skip Lorry
06LK4406	Daf Refuse Collector
06LK2723	Iveco Artic
07 LK 10	REL
07 LK 11	DAF Dual Compartment RCV
07 LK 12	DAF Dual Compartment RCV
07 LK 13	DAF Dual Compartment RCV
07 LK 14	DAF Dual Compartment RCV
07 LK 15	DAF Dual Compartment RCV
07 LK 20	Skip Truck
07 LK 21	Skip Truck
07 LK 22	Iveco Artic
07 LK 23	Iveco Artic
07 LK 24	Pickup
07 LK 5332	Iveco
07 LK 16	DAF
07 LK 17	DAF
07 LK 5331	DAF
07 LK 6661	Hino
07 LK 6839	Iveco
07 LK 6856	DAF RCV
07 LK 6858	DAF RCV
08 LK 22	Iveco
08 LK 19	Iveco
08 LK 2403	Iveco
08 LK 1750	DAF RCV
08 LK 23	Iveco
07 WD 3315	DAF RCV
01 CE 5426	DAF RCV
08 LK 21	Iveco

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08 LK 1971	Iveco
07 LK 4975	Fendt
08 LK 3788	Refuse Collector
08 LK 4467	Fendt
07 LK 6857	DAF RCV
08 LK 12	DAF RCV
08 LK 10	DAF RCV
01 LK 610	IVECO
08 WD 1415	Dennis RCV
08 LK 4390	Hino Skip Truck
08 LK 17	Denis RCV
08 LK 20	Hino rigid curtain sider
08 L 517	Nissan Pick-up
00 D 99004	Dennis RCV
08 LK 1861	Nissan Pick-up
96 TS 3610	DAF
07 LK 28	Iveco Van
00 C 35269	Tipper - leased until 31/07/09
08 LK 5412	Iveco Articulated Tractor Unit
08 LK 5305	Refuse Collector
07 LK 35	Iveco Articulated Tractor Unit
08 LK 5306	Refuse Collector
08 LK 5307	Refuse Collector

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

**WASTE LICENCE**

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<b>Waste Licence</b>	61-2
<b>Register Number:</b>	
<b>Licensee:</b>	Mr Binman Limited
<b>Location of Facility:</b>	Luddenmore, Grange, Kilmallock, County Limerick

# INTRODUCTION

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

*"The facility is an existing licensed waste transfer station which accepts municipal, commercial, construction and demolition wastes. The application is for a review of the licence, principally for the purpose of increasing the allowable annual tonnage intake. Waste transported to the facility is either compacted and transported to landfill for disposal or separated for recycling. Infrastructure at the facility includes a picking station for the further segregation of separately collected dry recyclables, a cardboard baler, an aluminium can baler and a glass processing plant for glass recycling. A civic amenity site may be included at a later date subject to Agency agreement on certain design and operational details".*

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## *Table of Contents*

	Page No.
REASONS FOR THE DECISION	1
<i>PART I ACTIVITIES LICENSED</i>	1
INTERPRETATION	2
<i>PART II CONDITIONS</i>	5
CONDITION 1 SCOPE OF THE LICENCE	5
CONDITION 2 MANAGEMENT OF THE FACILITY	6
CONDITION 3 FACILITY INFRASTRUCTURE	7
CONDITION 4 RESTORATION AND AFTERCARE	12
CONDITION 5 FACILITY OPERATIONS	12
CONDITION 6 EMISSIONS	15
CONDITION 7 NUISANCE CONTROL	16
CONDITION 8 MONITORING	17
CONDITION 9 CONTINGENCY ARRANGEMENTS	19
CONDITION 10 RECORDS	20
CONDITION 11 REPORTS AND NOTIFICATIONS	21
CONDITION 12 CHARGES AND FINANCIAL PROVISIONS	23
SCHEDULE A : Waste Acceptance	25
SCHEDULE B : Specified Engineering Works	25
SCHEDULE C : Emission Limits	25
SCHEDULE D : Monitoring	27
SCHEDULE E : Recording and Reporting to the Agency	29
SCHEDULE F : Standards for Compost Quality	30
SCHEDULE G : Content of the Annual Environmental Report	32

# DECISION & REASONS FOR THE DECISION

## Reasons for the Decision

The Environmental Protection Agency (the Agency) is satisfied, on the basis of the information available, that the waste activity, or activities, licensed hereunder will comply with the requirements of Section 40(4) of the Waste Management Act, 1996.

In reaching this decision the Agency has considered the application and supporting documentation received from the applicant, all submissions and objections received, all relevant statutory plans and the reports of its inspectors.

### *Part I Activities Licensed*

In pursuance of the powers conferred on it by the Waste Management Act, 1996, the Agency, under Section 46(2) of the said Act hereby grants this Waste Licence to Mr. Binman Limited to carry on the waste activity/activities listed below at Luddenmore, Grange, Kilmallock, County Limerick subject to conditions, with the reasons therefor and the associated schedules attached thereto set out in the licence.

Licensed Waste Disposal Activities, in accordance with the Third Schedule of the Waste Management Act 1996

Class 12.	<b>Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.</b> Reason: This is the principal activity. It involves the compaction of waste in the transfer building prior to transportation to landfill.
Class 13.	<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 refers to the storage on-site of waste for disposal prior to removing it to an appropriate facility/premises.

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

Class 2.	<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 removal of timber from waste and the recovery of other wastes such as paper, cardboard and plastics, etc. The composting of biodegradable waste is limited to the storage and processing of a maximum of 1000m <sup>3</sup> of biodegradable waste (including compost) on site at any one time.
Class 3.	<b>Recycling or reclamation of metals and metal compounds:</b> This activity is limited to the recovery of metals from waste e.g. aluminium cans.
Class 4.	<b>Recycling or reclamation of other inorganic materials:</b> This activity is limited to the recovery of inorganic materials such as construction and demolition waste and glass.
Class 10.	<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 landspreading of compost that has been produced on-site, subject to the agreement of the Agency.
Class 13.	<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 recyclable materials that have been recovered from waste prior to further processing either on-site or at another facility.



# INTERPRETATION

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

<b>Adequate lighting</b>	20 lux measured at ground level.
<b>Agreement</b>	Agreement in writing.
<b>Annually</b>	At approximately twelve monthly intervals.
<b>Application</b>	The application by the licensee for this waste licence.
<b>Appropriate facility</b>	A waste management facility, duly authorised under relevant law and technically suitable.
<b>Attachment</b>	Any reference to Attachments in this licence refers to attachments submitted as part of the waste licence application.
<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>EPA Working Day</b>	Refers to the following hours; 9.00 a.m. to 5.30 p.m. Monday to Friday inclusive.
<b>European Waste Catalogue (EWC)</b>	A harmonised, non-exhaustive list of wastes drawn up by the European Commission and published as Commission Decision 94/3/EC and any subsequent amendment published in the Official Journal of the European Community.
<b>Green waste</b>	Waste wood (excluding timber), plant matter such as grass cuttings, and other vegetation.

<b>Hours of Operation</b>	The hours during which the facility is authorised to be operational. The hours of operation of a facility are usually longer than the hours of waste acceptance to facilitate preparatory and completion works. Trucks may only enter and leave the facility during the hours of operation.
<b>Hours of Waste Acceptance</b>	The hours during which the facility is authorised to accept waste.
<b>Industrial Waste</b>	As defined in Section 5(1) of the Act.
<b>Inert waste</b>	Waste that does not undergo any significant physical, chemical or biological transformations. Inert waste will not dissolve, burn or otherwise physically or chemically react, biodegrade or adversely affect other matter with which it comes into contact in a way likely to give rise to environmental pollution or harm human health. The total leachability and pollutant content of the waste and the ecotoxicity of the leachate must be insignificant, and in particular not endanger the quality of surface water and/or groundwater.
<b>Licence</b>	A Waste Licence issued in accordance with the Act.
<b>Licensee</b>	Mr Binman Limited.
<b>Liquid Waste</b>	Any waste in liquid form and containing less than 2% dry matter. Any waste tankered to the facility.
<b>Maintain</b>	Keep in a fit state, including such regular inspection, servicing, calibration and repair as may be necessary to adequately perform its function.
<b>Monthly</b>	A minimum of 12 times per year, at approximately monthly intervals.
<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>Quarterly</b>	At approximately three monthly intervals.
<b>Recyclable Materials</b>	Those waste types, such as cardboard, batteries, gas cylinders, etc, which may be recycled.
<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>Waste water</b>	Sewage and drainage from waste transfer building, and run-off from hardstanding areas associated with waste processing.
<b>Weekly</b>	During all weeks of plant operation, and in the case of emissions, when emissions are taking place; with no more than one measurement in any one week.
<b>White Goods</b>	Refrigerators, cookers, ovens and other similar appliances.

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## ***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 the Drawing referred to as 'Site Location Map' of attachment B.2 of the application. Any reference in this licence to "facility" shall mean the area thus outlined in red.
- 1.3. This licence is for the purposes of waste licensing under the Waste Management Act 1996 only and nothing in this licence shall be construed as negating the licensee's statutory obligations or requirements under any other enactments or regulations.
- 1.4. The maximum tonnage to be accepted at the facility shall not exceed 105,000 tonnes per annum, subject to the restrictions set out in *Schedule A: Waste Acceptance* and Condition 11.4 of this licence.
- 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 at the facility between the hours of 8.00a.m. and 6.30p.m. Monday to Friday inclusive and 8.00a.m. to 2.00p.m. on Saturdays.
  - 1.7.2. The facility shall only be operated during the hours of 7.00a.m. and 7.00p.m. Monday to Friday inclusive and 7.00a.m. and 2.30p.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 Within three months from the date of grant of this licence, 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 nine months from the date of grant of this licence, the licensee shall submit to the Agency for its agreement an updated 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 three 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.

### 3.2 Specified Engineering Works

- 3.2.1 The licensee shall submit proposals for all Specified Engineering Works, as defined in *Schedule B: Specified Engineering Works*, of this licence to the Agency for its agreement at least two months prior to the intended date of commencement of any such works. No such works shall be carried out without the prior agreement of the Agency.
- 3.2.2 All specified engineering works shall be supervised by a competent person(s) and that person, or persons, shall be present at all times during which relevant works are being undertaken.
- 3.2.3 Following the completion of all specified engineering works, the licensee shall complete a construction quality assurance validation. The validation report shall be made available to the Agency on request. The report shall include the following information:
- a) a description of the works;
  - b) as-built drawings of the works;
  - c) records and results of all tests carried out (including failures);
  - d) drawings and sections showing the location of all samples and tests carried out;
  - e) daily record sheets/diary;
  - f) name(s) of contractor(s)/individual(s) responsible for undertaking the specified engineering works;
  - g) name(s) of individual(s) responsible for supervision of works and for quality assurance validation of works;
  - h) records of any problems and the remedial works carried out to resolve those problems; and
  - i) any other information requested in writing by the Agency.

### 3.3 Facility Notice Board

- 3.3.1 The licensee shall maintain a Facility Notice Board on the facility so that it is legible to persons outside the main entrance to the facility. The minimum dimensions of the board shall be 1200 mm by 750 mm.
- 3.3.2 The board shall clearly show:
- a) the name and telephone number of the facility;
  - b) the normal hours of opening;
  - c) the name of the licence holder;
  - d) an emergency out of hours contact telephone number;
  - e) the licence reference number; and
  - f) where environmental information relating to the facility can be obtained.

### 3.4 Facility Roads and Hardstanding

- 3.4.1 Effective site roads shall be provided and maintained to ensure the safe movement of vehicles within the facility.
- 3.4.2 The licensee shall provide, and maintain an impermeable hardstanding surface in all the areas of the facility used for truck parking and the handling and storage of waste.



### 3.5 Facility Office

- 3.5.1 The licensee shall maintain an office at the facility. The office shall be constructed and maintained in a manner suitable for the processing and storing of documentation.
- 3.5.2 The licensee shall provide and maintain a working telephone and a method for electronic transfer of information at the facility.

### 3.6 Waste Inspection and Quarantine Areas

- 3.6.1 A Waste Inspection Area and a Waste Quarantine Area shall be provided and maintained at the facility.
- 3.6.2 These areas shall be constructed and maintained in a manner suitable, and be of a size appropriate, for the inspection of waste and subsequent quarantine if required. The waste inspection area and the waste quarantine area shall be clearly identified and segregated from each other.
- 3.6.3 Drainage from these areas shall be directed to the on-site wastewater treatment plant.

### 3.7 Weighbridge and Wheel Cleaning

- 3.7.1 The licensee shall provide and maintain a weighbridge and wheelwash/vehicle wash /dry wheel shake at the facility.

- 3.8 The glass processing area and glass and bottle storage bays shall be completely enclosed or relocated to an alternative enclosed area agreed with the Agency within twelve months of the date of grant of this licence.

### 3.9 Waste handling, ventilation and processing plant

- 3.9.1 Items of plant deemed critical to the efficient and adequate processing of waste at the facility (including *inter alia* 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.
- 3.9.2 Within three months from the date of grant of this licence, the licensee shall provide a report for the agreement of the Agency detailing the duty and standby capacity in tonnes per day, of all waste handling and processing equipment to be used at the facility. These capacities shall be based on the licensed waste intake, as per *Schedule A: Waste Acceptance*, of this licence.
- 3.9.3 The quantity of waste to be accepted at the facility on a daily basis shall not exceed the duty capacity of the equipment at the facility. Any exceedance of this intake shall be treated as an incident.

### 3.10 Waste Water Treatment Plant

The licensee shall provide and maintain a Waste Water Treatment plant at the facility for the treatment of waste water arising on-site. Any percolation area shall satisfy the criteria set out in



the Wastewater Treatment Manual, *Treatment Systems for Single Houses*, published by the Environmental Protection Agency.

### 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 within three months of the date of grant of this licence. 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/Inceptors

The licensee shall install and maintain a silt trap and oil interceptor at the facility to ensure that all surface water discharges from the facility pass through a silt trap and Class 1 oil interceptor prior to discharge. The interceptor shall be in accordance with European Standard prEN 858 (installations for the separation of light liquids).

### 3.13 Drainage system, pipeline testing

- 3.13.1 Within three months from the date of grant of this licence, all 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.
- 3.13.2 The drainage system, treatment plant, 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 Within 12 months of the date of grant of this licence, the licensee shall provide and maintain an appropriately sized construction and demolition (including metal and wood) waste storage area. This infrastructure shall at a minimum comprise the following:
- a) an impermeable concrete slab;
  - 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; and
  - e) Within two months of the installation of the construction and demolition waste storage area the licensee shall review the measures in place to minimise dust generation at this facility and shall provide a report to the Agency for its agreement, making recommendations on the necessity of installing a sprinkling irrigation system for the control of dust nuisance from the facility. Any remedial works recommended in this report must be implemented within a time-scale to be agreed with the Agency.

### 3.15 Civic Waste Facility

3.15.1 Prior to the establishment of a Civic Waste Facility (CWF) for use by members of the public the licensee shall submit a report for the agreement of the Agency detailing the following:

- a) The location, size and design of the CWF;
- b) The types of waste proposed to be accepted at the facility and the names and waste permit/ licence numbers of the destination facilities of processed waste;
- c) The proposed hours of operation of the CWF;
- d) Any additional security control measures;
- e) Any necessary updates to the communications programme to provide information to members of the public in relation to the CWF;
- f) The details (including was permit/licence numbers) of the destination facilities for the wastes collected, any additional security measures proposed;
- g) Any necessary updates to the communications programme to provide information to members of the public in relation to the CWF.

3.15.2 The CWF shall only be used by private vehicles.

3.15.3 All waste deposited in the CWF shall be either:

- (a) into a skip;
- (b) into the hopper of the compactor for disposal;
- (c) into a receptacle for recovery; or
- (d) in the case where inspection is required, into a designated inspection area.

3.15.4 The licensee shall assign and clearly label each container at the CWF to indicate their contents.

3.15.5 All waste accepted at the CWF for disposal off-site shall be removed within 24 hours of its arrival on-site.

3.16 Composting Infrastructure

Unless otherwise agreed with the Agency the licensee shall maintain composting infrastructure at the facility as described in Section D.1.r of the response to Article 16 notice received by the Agency on 16/02/02.

3.17 Monitoring Infrastructure

Groundwater

3.17.1 Within six months from the date of grant of this licence, the licensee shall install one upgradient and one downgradient groundwater monitoring borehole to allow for the sampling and analyses of groundwater.

3.18 Replacement of Infrastructure

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

**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 eighteen 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 Unless otherwise agreed with the Agency all waste processing shall be carried out inside the waste transfer building or other enclosed structures as agreed with the Agency.

5.2 Waste Acceptance and Characterisation Procedures

5.2.1 The licensee shall maintain detailed written procedures for the acceptance and handling of wastes. These procedures should be updated and submitted to the Agency prior to the commencement of any new waste processing operations.

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



- 5.2.3 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.
- 5.2.6 Casual public access shall only be allowed to a civic waste facility, if provided.
- 5.3 Operational Controls
- 5.3.1 The floor of the waste transfer building shall be washed down and cleared of all waste at the end of the working day. The floor of the storage bays for recovered wastes shall be washed down and cleaned on each occasion such bays are emptied.
- 5.3.2 Unless otherwise agreed with the Agency a maximum of six full enclosed articulated trucks and ten full enclosed bin trucks may be stored at the facility overnight.
- 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 designated areas, as agreed with the Agency.
- 5.4 Compost
- 5.4.1 Compost of Class 2 Standard shall be considered a product. All landspreading of compost Class 2 Standard shall be in accordance with best agronomic practice. Notwithstanding this, it shall be used in a quantity not exceeding 30 tonnes dry matter per hectare (on a three year average).
- 5.4.2 Compost of Class 1 Standard shall be considered a product. All landspreading of compost of Class 1 Standard shall be in accordance with best agronomic practice.
- 5.4.3 The recovery or disposal of compost not reaching the standards designated Class 1 or Class 2, shall be recorded as required under Condition 10.2.
- 5.4.4 All waste water from composting operations shall drain to the waste water treatment system.
- 5.4.5 No waste shall be deposited outside the biodegradable waste composting vessel.



- 5.4.6 Unless otherwise agreed with the Agency, only garden waste and separately collected compostable kitchen waste shall be accepted for composting at the facility.
- 5.4.7 In the course of the in vessel composting process the entire quantity of the biowaste shall be mixed and exposed to a temperature of  $\geq 60^{\circ}\text{C}$  for a period of one week.
- 5.5 Off-site Disposal and Recovery
- 5.5.1 Waste sent off-site for recovery or disposal shall only be conveyed by a waste contractor agreed by the Agency;
- 5.5.2 All waste transferred from the facility shall only be transferred to an appropriate facility agreed by the Agency;
- 5.5.3 All wastes removed off-site for recovery or disposal shall be transported from the facility to the consignee in a manner which will not adversely affect the environment.
- 5.6 Construction and Demolition Waste Recovery Area
- 5.6.1 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.
- 5.6.2 All stockpiles shall be maintained so as to minimise dust generation.
- 5.7 Wastewater Management
- 5.7.1 Within six months of the date of grant of this licence the licensee should ensure the following:
- that clean roof runoff is directed to a soakpit or otherwise directed from the wastewater treatment plant, as stated in Section D.1.1 of the application.
  - all run off from all areas used for the handling and storage of non-inert waste shall be diverted to the waste water treatment plant.
  - that runoff from all impermeable hardstanding areas of the site other than those used for the handling and storage of non-inert waste should be directed to a silt trap and discharged via a soakpit.
  - canteen effluent should be discharged to the wastewater treatment plant via an appropriate oil interceptor.
  - the on-site wastewater treatment plant should be assessed in terms of its capacity to treat the required volumes and types of wastewater arising at the facility and a report submitted to the Agency detailing any necessary upgrades to the system, and timeframes for their implementation.
  - effluent from the vehicle washing system should be quantified and characterised within three months of the date of grant of this licence. A report should be submitted to the Agency outlining the most appropriate treatment options for this effluent.
- 5.7.2 Within two months of the date of grant of this licence the licensee should seek agreement from the owners/operators of an appropriate wastewater treatment plant to tanker effluent generated at the facility offsite, as and when it is necessary. The details of any such agreement should be submitted to the Agency for approval.

- 5.7.3 In the case that odour, visual inspection or monitoring of the treatment system indicates that the system is not operating effectively or not meeting the specified emission limits in this licence, arrangements should immediately be made to tanker waste water off-site in fully enclosed road tankers to a Wastewater Treatment Plant as agreed with the Agency and disposed of there. An appropriate tanker should be made available for this purpose.
- 5.7.4 Within two months of the date of grant of this licence, and until such time as the works required to comply with Condition 5.7.1 have been carried out, waste water generated at the facility shall be stored on-site in appropriate storage tanks and tankered off-site in fully enclosed road tankers to a Wastewater Treatment Plant as agreed with the Agency for disposal.
- 5.7.5 The exact location of the local group water scheme pipework in the environs of the facility should be discovered and recorded. The licensee shall liaise with the relevant landowner and the group water scheme management and relocate this pipework, if necessary for the protection of the water supply. A report should be prepared regarding same. The report should be maintained at the facility for the information of the public.
- 5.8 Maintenance
- 5.8.1 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.
- 5.8.2 The licensee shall maintain and clearly label and name all sampling and monitoring locations.
- 5.8.3 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.
- 5.8.4 The licensee shall maintain the balers, compactors, hoppers and shredder in accordance with the manufacturer/supplier or installer's instructions.

**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.

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

## CONDITION 7 NUISANCE CONTROL

- 7.1 The licensee shall ensure that vermin, birds, flies, mud, dust, litter and odours do not give rise to nuisance at the facility or in the immediate area of the facility. Any method used by the licensee to control any such nuisance shall not cause environmental pollution.
- 7.2 The road network in the vicinity of the facility shall be kept free from any debris caused by vehicles entering or leaving the facility. Any such debris or deposited materials shall be removed without delay.
- 7.3 Litter Control
- 7.3.1 The measures and infrastructure as described in Attachment F.5 shall be applied to control litter at the facility.
- 7.3.2 All loose litter or other waste, placed on or in the vicinity of the facility, other than in accordance with the requirements of this licence, shall be removed, subject to the agreement of the landowners, immediately and in any event by 10.00am of the next working day after such waste is discovered.
- 7.3.3 The licensee shall ensure that all vehicles delivering waste to and removing waste and materials from the facility are appropriately covered.
- 7.4 Dust/Odour Control
- 7.4.1 All waste for disposal stored indoors at the facility, shall be stored in suitably covered and enclosed containers within the Waste Transfer Building, and shall be removed from the facility within forty eight hours of its arrival at the facility.
- 7.4.2 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 Prior to exiting the facility, all waste vehicles shall use the wheelwash.
- 7.6 Noise
- 7.6.1 The use of noise generating equipment or the carrying out of noise generating activities at the facility, other than trucks leaving the facility, shall not commence before 8a.m. each morning.



- 7.7 Traffic awaiting access to the facility shall queue along the facility site access road only, and not along the public road.
- 7.8 The licensee shall submit a report to the Agency within six months of the date of grant of this licence on limiting the use of security lighting at night, and assessing alternative systems so as to avoid nuisance and visual intrusion. The findings of this report shall be implemented as agreed with the Agency.

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

## CONDITION 8 MONITORING

- 8.1. The licensee shall carry out such monitoring and at such locations and frequencies as set out in *Schedule D: Monitoring* of 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 one month of the date of grant of this licence, the following information shall be submitted to the Agency for its agreement: the names, qualifications and a summary of relevant experience of all persons that will carry out all sampling and monitoring as required by this licence and who carry out the interpretation of the results of such sampling and monitoring. Any proposed changes to the above shall be submitted in writing to the Agency for its agreement.
- 8.8. 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. Nuisance Monitoring



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

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

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## CONDITION 9 CONTINGENCY ARRANGEMENTS

- 9.1. In the event of an incident the licensee shall immediately:
- a) identify the date, time and place of the incident;
  - b) carry out an immediate investigation to identify the nature, source and cause of the incident and any emission arising therefrom;
  - c) isolate the source of any such emission;
  - d) evaluate the environmental pollution, if any, caused by the incident;
  - e) identify and execute measures to minimise the emissions/malfunction and the effects thereof;
  - f) provide a proposal to the Agency for its agreement within one month of the incident occurring to:
    - i) identify and put in place measures to avoid reoccurrence of the incident; and
    - ii) identify and put in place any other appropriate remedial action.
- 9.2. 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.
- the current waste licence relating to the facility;
  - the current EMS for the facility;
  - the previous year's AER for the facility;
  - 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, excluding those arriving at the Civic Waste Facility. The licensee shall record the following:
- the date;
  - the name of the carrier (including if appropriate, the waste carrier registration details);
  - the vehicle registration number;
  - the name of the producer(s)/collector(s) of the waste as appropriate;
  - the name of the waste facility (if appropriate) from which the load originated including the waste licence or waste permit register number;
  - a description of the waste including the associated EWC codes;
  - the quantity of the waste, recorded in tonnes;
  - the name of the person checking the load;
  - where loads or wastes are removed or rejected, details of the date of occurrence, the types of waste and the facility to which they were removed; and,
  - 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:
- the types and quantities of waste recovered at the facility each year. These records shall include the relevant EWC Codes;
  - all training undertaken by facility staff;
  - results from all integrity tests of bunds and other structures and any maintenance or remedial work arising from them;
  - details of all nuisance inspections; and
  - 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, in a format to be agreed with the Agency, shall be kept of each consignment of waste water removed from the facility.
- 10.6 A written record shall be kept for each load of waste departing from the Civic Waste Facility. The following shall be recorded:
- a) the name of the carrier;
  - b) the vehicle registration number;
  - c) the destination of the waste (facility name and waste licence/permit number as appropriate);
  - d) a description of the waste (if recovered or rejected waste, the specific nature of the waste);
  - e) the quantity of waste, recorded in tonnes;
  - f) the name of the person checking the load; and,
  - g) the time and date of departure.
- 10.7 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 Regional Inspectorate, Inniscarra, Cork;
  - 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 with 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) Should any further actions be taken as a result of an incident occurring, the licensee shall forward a written report of those actions to the Agency as soon as practicable and no later than ten days after the initiation of those actions.

11.3 Waste Recovery Reports

Within nine months of the date of grant of this licence, a report examining waste recovery options shall be submitted to the Agency for its agreement. This report shall address methods to contribute to the achievement of the recovery targets stated in national and European Union waste policies and shall include the following:

- a) proposals for the contribution of the facility to the achievement of targets for the reduction of biodegradable waste to landfill as specified in the Landfill Directive;
- b) the separation of recyclable materials from the waste;
- c) the recovery of Construction and Demolition Waste;
- d) the recovery of metal waste and white goods including written procedures for the de-gassing of CFC's from refrigerators;
- e) the recovery of commercial waste, including cardboard;
- f) composting of biodegradable or green waste at the facility having regard to good practice and sustainability; and,
- g) inert waste to be used for cover/restoration material at the facility.

11.4 Waste Tonnage

Should the licensee propose to increase the annual throughput of the facility to over 87,500 tonnes per annum any such proposal, (refer to *Schedule A: Waste Acceptance*, of this licence) must, as a minimum demonstrate that the facility is capable of dealing with the proposed tonnage increase. The licensee must demonstrate this capability based on the criteria outlined

under Condition 3.9 of this licence. The licensee shall not accept over 87,500 tonnes per annum without the prior written agreement of the Agency.

#### 11.5 Monitoring Locations

Within three months of the date of grant of this licence, the licensee shall submit to the Agency an appropriately scaled drawing(s) showing all the monitoring locations that are stipulated in this licence. 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 H: Content of Annual Environmental Report and shall be prepared in accordance with any relevant written guidance issued by the Agency.

#### 11.7 Groundwater Monitoring Boreholes

A report by a qualified hydrogeologist detailing the groundwater flow direction and the proposed locations of the groundwater monitoring boreholes should be submitted to the Agency for agreement within six months of the date of grant of this licence. The report should include all relevant hydrogeological data.

**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 €15,777 or such sum as the Agency from time to time determines, towards the cost of monitoring the activity or otherwise in performing any functions in relation to the activity, as the Agency considers necessary for the performance of its functions under the Waste Management Act, 1996. The licensee shall in 2004 and subsequent years, not later than January 31 of each year, pay to the Agency this amount updated in accordance with changes in the Public Sector Average Earnings Index from the date of the licence to the renewal date. The updated amount shall be notified to the licensee by the Agency. For 2003 the licensee shall pay a pro rata amount from the date of this licence to 31<sup>st</sup> December. This amount shall be paid to the Agency within one month of the date of grant of this licence.

12.1.2 In the event that the frequency or extent of monitoring or other functions carried out by the Agency needs to be increased the licensee shall contribute such sums as determined by the Agency to defraying its costs.

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

- 12.2.1 The licensee shall arrange for the completion of a comprehensive and fully costed Environmental Liabilities Risk Assessment for the facility which will address liabilities arising from the carrying on of the activities to which this licence relates. A report on this assessment shall be submitted to the Agency for its agreement within six months of date of grant of this licence.
- 12.2.2 Within nine months of the date of grant of this licence, the licensee shall make a Proposal for Financial Provision to the Agency for its agreement to cover any liabilities incurred by the licensee in carrying on the activities to which this licence relates. Such provision shall be maintained by the licensee unless otherwise agreed by the Agency.
- 12.2.3 The amount of financial provision, held under Condition 12.2.2 shall be reviewed and revised as necessary, but at least annually. Any proposal for such a revision shall be submitted to the Agency for its agreement.
- 12.2.4 The licensee shall within two weeks of purchase, renewal or revision of the financial provision required under Condition 12.2.2, forward to the Agency written proof of such indemnity.
- 12.2.5 Unless otherwise agreed any revision to the fund shall be computed using the following formula:

$$\text{Cost} = (\text{ECOST} \times \text{WPI}) + \text{CiCC}$$

Where:

- Cost = Revised restoration and aftercare cost
- ECOST = Existing restoration and aftercare cost
- WPI = Appropriate Wholesale Price Index [Capital Goods, Building & Construction (i.e. Materials & Wages) Index], as published by the Central Statistics Office, for the year since last closure calculation/revision.
- CiCC = Change in compliance costs as a result of change in site conditions, changes in law, regulations, regulatory authority charges, or other significant changes.

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



## SCHEDULE A : Waste Acceptance

### A.1 Waste Acceptance

Table A.1 Waste Categories and Quantities

WASTE TYPE	MAXIMUM (TONNES PER ANNUM) <sup>Note 1</sup>	MAXIMUM (TONNES PER ANNUM) (subject to Condition 11.4) <sup>Note 2</sup>
Commercial	30,000	(to be agreed)
Domestic	55,000	(to be agreed)
Construction and Demolition	2,500	(to be agreed)
<b>TOTAL</b>	87,500	105,000

Note 1: This refers to the maximum tonnes per annum until the requirements of Condition 11.4 have been met, and the written agreement of the Agency has been given.

Note 2: This refers to an increase in the allowable annual tonnage over 87,500 at the facility, to a possible maximum of 105,000, subject to compliance with Condition 11.4.

## SCHEDULE B : Specified Engineering Works

Specified Engineering Works
Installation of dust/odour system
Installation of waste handling, processing, recycling/recovery infrastructure and installation of increased waste processing capacity
Installation of Civic Waste Facility
Installation of trommel and rubble crusher
Installation of any additional composting infrastructure/ processing capacity
Any other works notified in writing by the Agency.

## SCHEDULE C : Emission Limits

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

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



**C.2 Dust Deposition Limits:** (Measured at the monitoring points indicated in Table D.1.1).

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

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

**C.3 Waste Water Emissions Limits**

Emission Point Reference No. TE1  
 Volume to be emitted: Maximum in any week 2.5m<sup>3</sup>/week <sup>(Note 1)</sup>  
 Maximum rate per hour: 0.45 m<sup>3</sup>/hr

Parameter	Emission Limit Value
	Grab Sample (mg/l)
PH	6-9
BOD	20
Suspended solids	30
Oils, fats and grease	None visible

Note 1: This volume can be increased subject to the agreement of the Agency.

**C.4 Emission Limit Values from Biodegradable Waste Composting**

Emission Point Reference No. BW1 (emission point from Biodegradable waste composting unit)

Parameter	Emission Limit Value
Total Particulates	50 mg/m <sup>3</sup>
Ammonia	50 (ppm v/v)
Amines	5 (ppm v/v)
Hydrogen Sulphide & Mercaptans	5 (ppm v/v)

## 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, dust and waste water Monitoring Locations**

NOISE STATIONS Note 1	DUST STATIONS Note 2	WASTE WATER STATIONS Note 3	COMPOSTING UNIT STATIONS Note 4	GROUNDWATER STATIONS Note 5
1	G	FE1 <sup>Note 3</sup>	BW1	GW1
2	C	FE2 <sup>Note 6</sup>		GW2
3	E			

**Note 1:** Noise monitoring location 1 refers to the Ryan residence, No 2 the Power residence and 3 the Henessy residence as referred to in Attachment J.7 of the application.

**Note 2:** Dust monitoring locations are those labelled as G, C and E of the application drawing entitled 'Location of passive dust collectors'.

**Note 3:** FE1 is the emission point from the outlet of the wastewater treatment plant prior to entry to the percolation area.

**Note 4:** BW1 is the outlet vent from the biodegradable waste treatment vessel.

**Note 5:** GW1 refers to an upstream groundwater monitoring location, and GW2 refers to a downstream groundwater monitoring location to be agreed with the Agency, as per Condition 3.10.

**Note 6:** FE2 is the emission point from the Class 1 interceptor prior to discharge to the percolation area.

### 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 <sup>Note 2</sup>	Analysis Method/Technique
L(A) <sub>EQ</sub> [30 minutes]	Biannually	Standard <sup>Note 1</sup>
L(A) <sub>10</sub> [30 minutes]	Biannually	Standard <sup>Note 1</sup>
L(A) <sub>90</sub> [30 minutes]	Biannually	Standard <sup>Note 1</sup>
Frequency Analysis(1/3 Octave band analysis)	Biannually	Standard <sup>Note 1</sup>

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

**Note 2:** Noise monitoring to be carried out during the night-time (ie, 7-8am) and daytime periods

#### D.4 Waste Water Emissions

**Table D.4.1** Waste Water Monitoring Frequency and Techniques (to be carried out at FE1 unless otherwise indicated)

Parameter	Monitoring Frequency	Analysis Method/Technique
<b>PH</b>	Quarterly	Electrometry
<b>Biological Oxygen Demand</b>	Quarterly	Standard Methods <sup>Note 1</sup>
<b>Suspended Solids</b>	Quarterly	Standard Methods <sup>Note 1</sup>
<b>Fats, Oils, Grease</b>	Quarterly	Standard Methods <sup>Note 1</sup>
<b>Temperature</b>	Quarterly	Temperature probe
<b>Ammoniacal nitrogen</b>	Quarterly	Standard Methods <sup>Note 1</sup>
<b>Volume</b>	Quarterly	To be agreed
<b>Mineral Oils</b> <sup>Note 2</sup>	Quarterly	Standard Methods <sup>Note 1</sup>

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

Note 2: Monitoring for mineral oils to be carried out at FE2 only.

#### D.5 Groundwater Monitoring

Parameter	Monitoring Frequency	Analysis Method/Technique
<b>PH</b>	Biannually	Electrometry
<b>Electrical Conductivity</b>	Biannually	Standard Methods <sup>Note 1</sup>
<b>Total Organic Carbon</b>	Biannually	Standard Methods <sup>Note 1</sup>
<b>Ammoniacal nitrogen</b>	Biannually	Standard Methods <sup>Note 1</sup>
<b>Total Phosphorus</b>	Biannually	Standard Methods <sup>Note 1</sup>
<b>Total Nitrogen</b>	Biannually	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.

## 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 Groundwater Quality	Biannually	Ten days after end of the period being reported on.
Monitoring of Waste water	Biannually	Ten days after end of the period being reported on.
Dust Monitoring	Three times a year	Ten days after the period being reported on.
Noise Monitoring	Biannually	Ten days after the period being reported on.
Compost Monitoring	Upon commencement and biannually	Ten days after 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

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## SCHEDULE F : Standards for Compost Quality

Compost shall be deemed unsatisfactory if more than 25% of samples fail the criteria below. No sample shall exceed 1.2 times the quality limit values set.

The following criteria are deemed a quality standard for the use of compost as a soil improver and should not be deemed as criteria for fertiliser. In addition N, P, K, NH<sub>4</sub>-N, NO<sub>3</sub>-N, pH and dry matter content should also be measured.

### 1. Maturity (Compost)

The state of the curing pile must be conducive to aerobic biological activity.

Compost shall be deemed to be mature if it meets two of the following groups of requirements:

1. Respiration activity after four days AT<sub>4</sub> is ≤10mg/O<sub>2</sub>/g dry matter or Dynamic Respiration Index is ≤1,000mgO<sub>2</sub>/kg VS/h.
2. Germination of cress (*Lepidium sativum*) seeds and of radish (*Raphanus sativus*) seeds in compost must be greater than 90 percent of the germination rate of the control sample, and the growth rate of plants grown in a mixture of compost and soil must not differ more than 50 percent in comparison with the control sample.
3. Compost must be cured for at least 21 days; and  
Compost will not reheat upon standing to greater than 20°C above ambient temperature.
4. If no other determination of maturity is made, the compost must be cured for a six month period. In addition, offensive odours from the compost shall be minimal for the compost to be deemed mature.
5. Or other maturity tests as may be agreed with the Agency.

### 2. Trace Elements (Compost) <sup>Note 1 & 2</sup>

#### Maximum Trace Element Concentration Limits <sup>Note 3</sup>

Parameter (mg/kg, dry mass)	Compost/Digestate		Stabilised Biowaste
	Quality Standards <sup>Note 4</sup>		
	Class 1	Class 2	
Cadmium (Cd)	0.7	1.5	5
Chromium (Cr)	100	150	600
Copper (Cu)	100	150	600
Mercury (Hg)	0.5	1	5
Nickel (Ni)	50	75	150
Lead (Pb)	100	150	500
Zinc (Zn)	200	400	1500
PolyChlorintated Biphenyls (PCB's)	-	-	0.4
Polynuclear Aromatic Hydrocarbons (PAH's)	-	-	3
Impurities >2mm <sup>Note 5</sup>	<0.5%	<0.5%	<3%
Gravel and Stones >5mm <sup>Note 5</sup>	<5%	<5%	-

**Note 1:** These limits apply to the compost just after the composting phase and prior to mixing with any other materials.

**Note 2:** Incoming sludges shall be monitored quarterly (on a client by client basis) for the parameters outlined in this table.

**Note 3:** The above alone should not be taken as an indication of suitability for addition to soil as the cumulative metal additions to soil should be first calculated.

**Note 4:** Normalised to 30% organic matter content

**Note 5:** Compost must not contain any sharp foreign matter measuring over a 2 mm dimension that may cause damage or injury to humans, animals and plants during or resulting from its intended use.

### 3. Pathogens (Compost)

Pathogenic organism content must not exceed the following limits:

<i>Salmonella sp.</i>	Absent in 50g	n=5
<i>Faecal Coliforms</i>	≤ 1000 Most Probable Number (MPN) in 1g	n=5

Where: n = Number of samples to be tested;

### 4. Monitoring

The licensee shall submit to the Agency for its agreement, prior to commencement of compost operations, details of methods of analyses, methods of sampling and sample numbers.

The analyses shall be carried out: every six months.

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# SCHEDULE G : Content of the Annual Environmental Report

## Annual Environmental Report Content

Reporting Period.

Waste activities carried out at the facility.

Review of security measures required at the facility, and a report on the implementation on any proposed new measures.

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

Summary report on emissions

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

Resource and energy consumption summary.

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

Schedule of Environmental Objectives and Targets for the forthcoming year.

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

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

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

Reported Incidents and Complaints summaries.

Review of Nuisance Controls.

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

Volume of waste water produced and volume of waste 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.

**Sealed by the seal of the Agency on this the 10<sup>th</sup> day of April 2003.**

**PRESENT when the seal of the Agency  
was affixed hereto:**

\_\_\_\_\_  
**Iain Maclean, Director/Authorised Person**