

BARNA WASTE

E.P.A. Licenced Recycling Facility

RECYCLING DEPOT:

Carrowbrowne,
Headford Road, Galway.
Tel.: 091-771619.
Fax: 091-771735.

Email: info@barnawaste.com
Website: www.barnawaste.com

V.A.T. No.: IE 6519402P
EPA Licence No.: 106/1
Waste Collection Permit No.: CW074

REGISTERED OFFICE:

Derryloughane East,
Spiddal, Co. Galway.
Tel.: 091-553491.
Fax: 091-553402.

Yvonne Furlong
Inspector, Office of Climate, Licensing & Resource
Environmental Protection Agency
Headquarters, PO Box 3000
Johnstown Castle Estate
County Wexford,
Ireland

Subject: Transfer of Licence

Dear Yvonne,

Please find enclosed in this folder an application to transfer waste licence 163-1 in the name of Bergin Waste Disposal to Barna Waste.

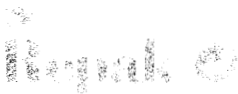
If you have any questions or issues in relation to this application, please coordinate with Padhraic Noone, Financial Controller, at the above address.

Yours Sincerely



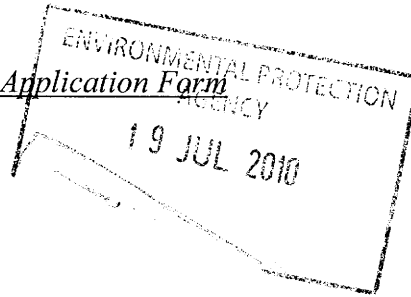
Campbell Finnie
Facility Manager

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Transfer of Licence Application Form



Licensing

Transfer of a Licence Application Form

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This document does not purport to be and should not be considered a legal interpretation of the provisions and requirements of the Waste Management Acts, 1996 to 2003 / Environmental Protection Agency Acts 1992 & 2003.

Environmental Protection Agency
P.O. Box 3000, Johnstown Castle, County Wexford
Telephone: 053-60600 Fax: 053-60699

Transfer of Licence Application Form

Notwithstanding the provisions of Section 47 of the Waste Management Acts 1996 to 2003 or Section 94 of Environmental Protection Agency Acts 1992 & 2003 the following should be completed when applying to the Agency for the transfer of a Waste or IPPC Licence.

Licence Register Number	163-1
Contact details for a contact person or persons in relation to the application to transfer.	CAMPBELL FINNIE BARNA WASTE CARROWBROWNE HEADFORD ROAD GALWAY
Location of activity to which the licence relates	BALLAGHADERREEN CO. ROSCOMMON.
Name address and contact details of current licence holder	SEAN BERGIN BERGIN WASTE DISPOSAL LTD. BALLAGHADERREEN CO. ROSCOMMON.
Name address and contact details of proposed transferee	SEAN CURRAN BARNA WASTE CARROWBROWNE HEADFORD ROAD, GALWAY
When do the applicants want the transfer to take effect?	DECEMBER 1 ST 2008
Classes / Nature of Activity	CLASS 11,12,13 (disposal) CLASS 2,3,4,11,13 (recovery)

Transfer of Licence Application Form

<p>Attachment A: Licence</p>	<p>Please provide as Attachment A (as per Section 47(3) of the Waste Management Acts 1996 to 2003 / Section 94 (3) of the Protection of the Environment Acts 1992 and 2003) a copy of the licence you wish to transfer.</p>
<p>Attachment B:</p>	<p>Please provide as Attachment B the following as appropriate:</p> <ul style="list-style-type: none"> (a) Certified Copy of Certificate of Incorporation (b) Company's Number in Company's Registration Office and (c) Particulars of Registered Office of the Company <p><i>Does the proposed transferee have a parent company? If so please provide details here. Does the proposed transferee have any subsidiaries involved in the industrial installation or waste facility management? If so please give details here.</i></p>
<p>Attachment C: Fit and Proper Person</p>	<p>The following information is required (please provide the information below or separately as Attachment C):</p> <ol style="list-style-type: none"> 1. Indicate whether the applicant or other relevant person has been convicted under the PoE Act, the Waste Management Act 1996, the Local Government (Water pollution) Acts 1977 and 1990 or the Air Pollution Act 1987. 2. Provide details of the applicant's technical knowledge and/or qualifications, along with that of other relevant employees (see details below). 3. Provide information to show that the person is likely to be in a position to meet any financial commitments or liabilities that may have been or will be entered into or incurred in carrying on the activity to which the application relates or in consequence of ceasing to carry out that activity.

Transfer of Licence Application Form

	<p>In relation to Question 2 above please give details here for each person who will or is likely to have responsibility for licensed activities, to include:</p> <ul style="list-style-type: none"> a) the names of all persons who are to provide the management and supervision of the 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.
<p>Attachment D: Liabilities, requirements & obligations</p>	<p>Please provide a statement to show that the person to whom a licence is transferred has assumed and accepted all liabilities, requirements and obligations provided for in or arising under the licence, or revised licence, regardless of how and in respect of what period, including a period prior to the transfer of the licence or revised licence they may arise.</p>
<p>Attachment E: Transferee Licence details</p>	<p>Has the proposed transferee, their parent company or any 'relevant person' had an application for a licence granted? Please provide details here or separately as Attachment E.</p> <p>Has the proposed transferee, their parent company or any 'relevant person' had an application for a licence rejected; had a licence revoked; been refused as a transferee for a licence? Please provide details here or separately as Attachment E.</p>
<p>Attachment F: Estimated Expenditure & Financial Provisions</p>	<p>Please provide, as attachment F, a plan showing the estimated expenditure for each phase of the activity/activities. The plan should include the likely costs of:</p> <ul style="list-style-type: none"> (i) Abatement Installation, Control & Monitoring (ii) Closure & Remediation of the site (iii) Clean-up following a plausible accident/incident (iv) Long-term aftercare for residual environmental liabilities. <p>The Plan should include a statement or details of provisions made for the underwriting of these costs/liabilities.</p>

Transfer of Licence Application Form

<p>Application Fee</p>	<p>To ensure that your application is valid and can be processed please submit payment of one of the following amounts with your application to transfer the licence;</p> <p>Waste Licence Transfer Application -€5,000 IPPC Licence Transfer Application - €2,000</p>
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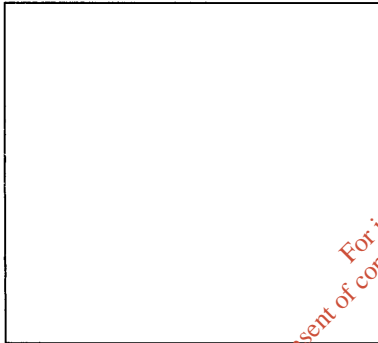
We, the undersigned, are applying to the Environmental Protection Agency, as per Section 47 of the Waste Management Acts 1996 to 2003 (Waste Transfer) / ~~Section 94 of the Environmental Protection Agency Acts 1992 & 2003 (IPPC Transfer)~~ (delete as appropriate) for the transfer of licence no (provide licence number here) from Licensee Details here to Proposed Transferee Details here. **163-1**

Signed: Jean Bergin
 Licensee Marcel Bergin

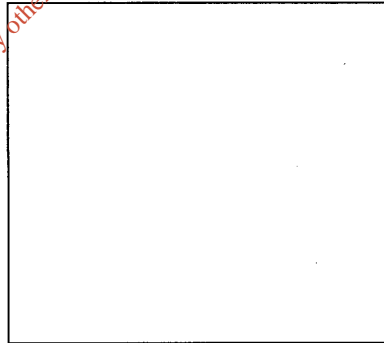
Signed: Seamus
 Proposed Transferee

Date: 24/07/09

Date: 24/07/09



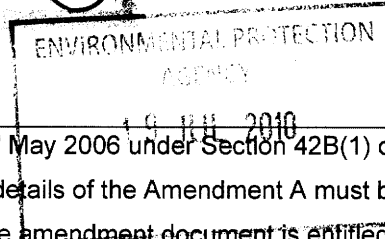
Company Seal



Company Seal

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ATTACHMENT (A)



This licence was amended on 24th May 2006 under Section 42B(1) of the Waste Management Acts, 1996 to 2005. The details of the Amendment A must be read in conjunction with this licence. The amendment document is entitled Amendment A.



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

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WASTE LICENCE

Waste Licence
Register Number: 163-1
Licensee: Bergin Waste Disposal Limited
Location of Facility: Ballaghaderreen Industrial Estate,

Ballaghaderreen, Co. Roscommon

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INTRODUCTION

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

This licence is for the operation of a proposed waste transfer station and recycling facility at Ballaghaderreen Industrial Estate, Ballaghaderreen, Co. Roscommon.

Bergin Waste Disposal Limited will be licensed to accept non-hazardous wastes only at this facility. The waste types to be accepted at the facility are household, commercial, industrial and some construction and demolition wastes. No hazardous or liquid wastes may be accepted at the facility. The facility will not be permitted to accept waste until the construction of proposed waste transfer/recycling building and associated infrastructure has been completed. The maximum annual quantity of waste to be accepted at the facility is 19,700 tonnes and all waste processing must be carried out indoors. This licence provides for the installation and operation of a Civic Waste Facility at the facility.

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

The licence sets out in detail the conditions under which Bergin Waste Disposal Limited are required to operate and manage this facility.

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DECISION & REASONS FOR THE DECISION

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

In reaching this decision the Agency has considered the application and supporting documentation received from the applicant, all submissions received from other parties and the report of its inspector. No objection having been received to the Proposed Determination, the licence is granted in accordance with the terms of the Proposed Determination and the reasons therefor.

Part I Activities Licensed

In pursuance of the powers conferred on it by the Waste Management Act, 1996, the Environmental Protection Agency (the Agency), under Section 40(1) of the said Act hereby grants this Waste Licence to Bergin Waste Disposal Limited to carry on the waste activities listed below at Ballaghaderreen Industrial Estate, Ballaghaderreen, Co. Roscommon 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 11.	Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule. This activity is limited to the bulking and transfer of waste at the facility.
Class 12.	Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule. This activity is limited to the bulking and transfer of waste at the facility.
Class 13.	Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned was produced. This activity is limited to the storage of wastes at the facility prior to movement off-site.

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

Class 2.	Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes): This activity is limited to the recovery of paper, cardboard and wood at the facility.
Class 3.	Recycling or reclamation of metals and metal compounds: This activity is limited to the recovery of metals and metal compounds at the facility.
Class 4.	Recycling or reclamation of other inorganic materials: This activity is limited to the recovery of inert wastes (e.g. construction and demolition wastes) at the facility.
Class 11.	Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule: This activity is limited to the potential use of wastes on-site in the case of an emergency (e.g. the use of shredded wood as a spill absorbent)
Class 13.	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: This activity is limited to the storage of wastes at the facility prior to recovery

INTERPRETATION

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

Adequate lighting	20 lux measured at ground level.
Agreement	Agreement in writing.
Annually	At approximately twelve monthly intervals.
Attachment	Any reference to Attachments in this licence refers to attachments submitted as part of the waste licence application.
Application	The application by the licensee for this waste licence.
Appropriate facility	A waste management facility, duly authorised under relevant law and technically suitable.
Biodegradable waste	Any waste that is capable of undergoing anaerobic or aerobic decomposition, such as food, garden waste, sewage sludge, paper and paperboard.
Condition	A condition of this licence.
Consignment Note	All movements of hazardous waste within Ireland must be accompanied by a "C1" consignment note issued by a local authority under the Waste Management (Movement of Hazardous Waste) Regulations (SI No. 147 of 1998). Transfrontier shipment notification and movement/tracking form numbers are required for all exports of waste from, into or through the state under the Waste Management (Transfrontier Shipment of Waste) Regulations (SI No. 149 of 1998).
Construction and Demolition Waste	All wastes which arise from construction, renovation and demolition activities.
Containment boom	A boom which can contain spillages and prevent them from entering drains or watercourses.
Daytime	8.00 a.m. to 10.00 p.m.
Documentation	Any report, record, result, data, drawing, proposal, interpretation or other document in written or electronic form which is required by this licence.
Drawing	Any reference to a drawing or drawing number means a drawing or drawing number contained in the application, unless otherwise specified in this licence.
Emergency	Those occurrences defined in Condition 9.4
Emission Limits	Those limits, including concentration limits and deposition levels established in Schedule C.
European Waste Catalogue (EWC)	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.
Green waste	Waste wood (excluding timber), plant matter such as grass cuttings, and other vegetation.
Hours of Operation	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.
Hours of Waste Acceptance	The hours during which the facility is authorised to accept waste.
Industrial Waste	As defined in Section 5(1) of the Act.
Inert waste	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.
Licence	A Waste Licence issued in accordance with the Act.
Licensee	Bergin Waste Disposal Limited
Liquid Waste	Any waste in liquid form and containing less than 2% dry matter. Any waste tankered to the facility.
Maintain	Keep in a fit state, including such regular inspection, servicing, calibration and repair as may be necessary to adequately perform its function.
Monthly	A minimum of 12 times per year, at approximately monthly intervals.
Night-time	10.00 p.m. to 8.00 a.m.
Noise Sensitive Location (NSL)	Any dwelling house, hotel or hostel, health building, educational establishment, place of worship or entertainment, or any other facility or area of high amenity which for its proper enjoyment requires the absence of noise at nuisance levels.
Oil Separator	Device installed according to the draft European Standard prEN 858 (Installations for the separation of light liquids, e.g. oil and petrol).
Recyclable Materials	Those waste types, such as cardboard, batteries, gas cylinders, etc, which may be recycled
Quarterly	At approximately three monthly intervals.
Sanitary Authority	Roscommon County Council
Sample(s)	Unless the context of this licence indicates to the contrary, samples shall include measurements by electronic instruments.
Specified Emissions	Those emissions listed in <i>Schedule C: Emission Limits</i> of this licence.
Specified Engineering Works	Those engineering works listed in <i>Schedule B: Specified Engineering Works</i> of this licence.
Trigger Level	A parameter value specified in the licence, the achievement or exceedance of

which requires certain actions to be taken by the licensee.

Waste water	Sewage and drainage from waste transfer building, vehicle wash, waste processing/storage areas, weighbridge.
Weekly	During all weeks of plant operation, and in the case of emissions, when emissions are taking place; with no more than one measurement in any one week.
White Goods	Refrigerators, cookers, ovens and other similar appliances.
EPA Working Day	Refers to the following hours; 9.00 a.m. to 5.30 p.m. Monday to Friday inclusive.

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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 Figure No. B.2.1 of the application. Any reference in this licence to “facility” shall mean the area thus outlined in red.
- 1.3. This licence is for the purposes of waste licensing under the Waste Management Act 1996 only and nothing in this licence shall be construed as negating the licensee’s statutory obligations or requirements under any other enactments or regulations.
- 1.4. Only those waste categories and quantities listed in *Schedule A: Waste Acceptance* of this licence, shall be accepted at the facility.
- 1.5. No hazardous wastes or liquid wastes shall be accepted at the facility.
- 1.6. Waste Acceptance Hours and Hours of Operation
 - 1.6.1. Waste shall only be accepted at the facility between the hours of 8.00am to 6.00pm Monday to Saturday inclusive.
 - 1.6.2. The facility shall only be operated during the hours of 8.00am to 8.00pm Monday to Saturday inclusive.
 - 1.6.3. Waste shall not be accepted at the facility on Sundays or on Bank Holidays unless otherwise agreed in advance with the Agency.
- 1.7. The following shall constitute an incident for the purposes of this licence:
 - a) an emergency;
 - b) any emission which does not comply with the requirements of this licence;
 - c) any exceedance of the daily duty capacity of the waste handling equipment;
 - d) any trigger level specified in this licence which is attained or exceeded; and
 - e) any indication that environmental pollution has, or may have, taken place.
- 1.8. Where the Agency considers that a non-compliance with any condition of this licence has occurred, it may serve a notice on the licensee specifying:
 - 1.8.1 That only those wastes as specified, if any, in the notice are to be accepted at the facility after the date set down in the notice;
 - 1.8.2 That the licensee shall undertake 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
 - 1.8.3 That the licensee shall carry out any other requirement specified in the notice.

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

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

Reason: *To clarify the scope of this licence*

CONDITION 2 MANAGEMENT OF THE FACILITY

2.1 Facility Management

- 2.1.1 The licensee shall employ a suitably qualified and experienced facility manager who shall be designated as the person in charge. The facility manager or a nominated, suitably qualified and experienced, deputy shall be present on the facility at all times during its operation.
- 2.1.2 Both the facility manager and deputy, and any replacement manager or deputy, shall successfully complete both the FAS waste management training programme (or equivalent agreed with the Agency) and associated on site assessment appraisal within twelve months of appointment.
- 2.1.3 The licensee shall ensure that personnel performing specifically assigned tasks shall be qualified on the basis of appropriate education, training and experience, as required and shall be aware of the requirements of this licence.

2.2 Management Structure

- 2.2.1 Prior to the commencement of waste activities, the licensee shall submit written details of the management structure of the facility to the Agency. Any proposed replacement in the management structure shall be notified in advance in writing to the Agency. Written details of the management structure shall include the following information
- a) the names of all persons who are to provide the management and supervision of the waste activities authorised by the licence, in particular the name of the facility manager and any nominated deputies;
 - b) details of the responsibilities for each individual named under a) above; and
 - c) details of the relevant education, training and experience held by each of the persons nominated under a) above.
- 2.2.2 Prior to the date of commencement of the waste activities at the facility, the following information shall be submitted to the Agency for its agreement: the names, qualifications and a summary of relevant experience of all persons that will carry out all sampling and monitoring as required by this licence and who carry out the interpretation of the results of such sampling and monitoring. Any proposed changes to the above shall be submitted in writing to the Agency for its agreement.

2.3 Environmental Management System (EMS)

2.3.1 The licensee shall establish and maintain an EMS. Within six months from the date of grant of this licence, the licensee shall submit to the Agency for its agreement a proposal for a documented Environmental Management System (EMS) for the facility. Following the agreement of the Agency, the licensee shall establish and maintain such a system. The EMS shall be updated on an annual basis with amendments being submitted to the Agency for its agreement.

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

2.3.2.1 Schedule of Environmental Objectives and Targets

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

2.3.2.2 Environmental Management Plan (EMP)

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

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

2.3.2.3 Corrective Action Procedures

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

2.3.2.4 Awareness and Training Programme

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

2.4 Communications Programme

2.4.1 The licensee shall establish and maintain a Communications Programme to ensure that members of the public can obtain information at the facility, at all reasonable times, concerning the environmental performance of the facility. This shall be established within six months of the date of grant of this licence.

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

CONDITION 3 FACILITY INFRASTRUCTURE

3.1 The licensee shall establish all infrastructure referred to in this licence prior to the commencement of the licensed activities or as required by the conditions of this licence. No waste shall be accepted at the facility without the prior written agreement of the Agency.

3.2 Specified Engineering Works

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

3.3 Facility Notice Board

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

3.4 Facility Security

- 3.4.1 Security gates shall be installed and maintained at the entrance to the facility and adequate security fencing shall be provided around the perimeter of the facility.
- 3.4.2 The licensee shall remedy any defect in the gates and/or fencing as follows:
- a) a temporary repair shall be made by the end of the working day; and,

- b) a repair to the standard of the original gates and/or fencing shall be undertaken within three working days.

3.5 Facility Roads and Hardstanding

- 3.5.1 Effective site roads shall be provided and maintained to ensure the safe movement of vehicles within the facility.
- 3.5.2 The licensee shall provide, and maintain impermeable hardstanding surfaces inside the main transfer building and at all areas of the facility where waste activities take place. All other areas of the facility (other than areas being used for the purposes of landscaping) shall be surfaced with tarmac or similar material subject to the agreement of the Agency.

3.6 Facility Office

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

3.7 Waste Quarantine Areas

- 3.7.1 A Waste Quarantine Area shall be provided and maintained at the facility.
- 3.7.2 The waste quarantine area shall be constructed and maintained in a manner suitable, and be of a size appropriate for the quarantine of a load of waste which may be accepted at the facility. The waste quarantine area shall be clearly identified and segregated and shall be located in a covered area.
- 3.7.3 Drainage from these areas shall be directed to the waste water system.

3.8 Weighbridge and Vehicle Cleaning

- 3.8.1 The licensee shall provide and maintain a weighbridge and vehicle washing unit at the facility.

3.9 Waste handling, Air handling/ventilation and processing plant

- 3.9.1 Items of plant deemed critical to the efficient and adequate processing of waste and the control of emissions from 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 Prior to the commencement of waste activities at the facility the licensee shall provide a report for the agreement of the Agency detailing the duty and standby capacity in tonnes per day, of all waste handling and processing equipment to be used at the facility. These capacities shall be based on the licensed waste intake, *as per* Schedule A.
- 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 Surface Water Drainage Infrastructure

- 3.10.1 The licensee shall provide and maintain a surface water drainage system at the facility for the collection of all clean waters at the facility.
- 3.10.2 Prior to the commencement of waste activities at the facility the licensee shall install a shut-off valve at the surface water discharge point from the facility.

3.11 Waste Water Drainage Infrastructure

- 3.11.2 The licensee shall provide and maintain a waste water system at the facility which is capable of collecting all waste water generated at the facility.
- 3.11.3 The licensee shall install a shut-off valve at the waste water discharge point from the facility.

3.12 Tank and Drum Storage Areas

- 3.12.1 All tank and drum storage areas shall be rendered impervious to the materials stored therein.
- 3.12.2 All tank and drum storage areas shall, as a minimum, be bunded, either locally or remotely, to a volume not less than the greater of the following:
 - (a) 110% of the capacity of the largest tank or drum within the bunded area; or
 - (b) 25% of the total volume of substance which could be stored within the bunded area.
- 3.12.3 All drainage from bunded areas shall be diverted for collection and safe disposal.
- 3.12.4 All inlets, outlets, vent pipes, valves and gauges must be within the bunded area.
- 3.12.5 The integrity and water tightness of all the bunds and their resistance to penetration by water or other materials stored therein shall be confirmed by the licensee and shall be reported to the Agency following its installation and prior to its use as a storage area. This confirmation shall be repeated at least once every three years thereafter and reported to the Agency on each occasion.

3.13 Silt Traps and Oil Separators/Interceptors

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

3.14 Drainage system, pipeline testing

- 3.14.1 All foul sewer gullies, drainage grids and manhole covers shall be painted with red squares whilst all surface water discharge gullies, drainage grids and manhole covers shall be painted with blue triangles. These colour codes shall be maintained so as to be visible at all times during facility operation, and any identification designated in this licence (e.g. SW1) shall be inscribed on these manholes.
- 3.14.2 The drainage system, bunds, silt traps and oil separators shall be inspected weekly, desludged as necessary and properly maintained at all times. All sludge and drainage from these operations shall be collected for safe disposal. A written record shall be kept of the inspections, desludging, cleaning, disposal of associated waste products, maintenance and performance of the interceptors, bunds and drains.
- 3.14.3 The integrity and water tightness of all underground pipes and tanks and their resistance to penetration by water or other materials carried or stored therein shall be tested and demonstrated by the licensee and shall be reported to the Agency following their

installation and prior to their use. This testing shall be carried out by the licensee at least once every three years thereafter and reported to the Agency on each occasion. A written record of all integrity tests and any maintenance or remedial work arising from them shall be maintained by the licensee.

3.15 Civic Waste Facility

3.15.1 Prior to the acceptance of waste at the Civic Waste Facility, the licensee shall provide and maintain the appropriate infrastructure for such purposes at the facility. The type of wastes to be accepted at the Civic Waste facility shall be agreed in advance with the Agency.

3.16 Monitoring Infrastructure

3.16.1 Replacement of Infrastructure

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

3.16.2 Monitoring Infrastructure

3.16.2.1 The licensee shall provide and maintain a monitoring point for the representative monitoring of the effluent being discharged from the facility to the local authority sewer, at a location to be agreed with the Agency.

3.16.2.2 The licensee shall provide and maintain a surface water discharge monitoring point at a location to be agreed with the Agency.

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 twelve months of the commencement of waste activities at this facility. The licensee shall update these schemes when required by the Agency.

REASON: To provide for the restoration of the facility

CONDITION 5 FACILITY OPERATIONS

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

5.2 Waste Acceptance and Characterisation Procedures

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

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

- 5.2.3 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.
- 5.3 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 All waste handling/processing equipment shall be cleared of all waste and washed down on weekly basis.
- 5.3.3 The doors of the waste transfer building shall remain closed at all times other than the movement of personnel and materials during carrying on of activity.
- 5.3.4 Scavenging shall not be permitted at the facility.
- 5.3.5 Gates shall be locked shut when the facility is unsupervised.
- 5.3.6 The licensee shall provide and use adequate lighting during the operation of the facility in hours of darkness.
- 5.3.7 Fuels shall only be stored at appropriately bunded locations on the facility.
- 5.3.8 All tanks and drums shall be labelled to clearly indicate their contents.
- 5.3.9 No smoking shall be allowed on the facility (other than at a location to be agreed in advance with the Agency)
- 5.4 Off-site Disposal and Recovery
- 5.4.1 Waste sent off-site for recovery or disposal shall only be conveyed by a waste contractor agreed by the Agency;
- 5.4.2 All waste transferred from the facility shall only be transferred to an appropriate facility agreed by the Agency;
- 5.4.3 All wastes removed off-site for recovery or disposal shall be transported from the facility to the consignee in a manner which will not adversely affect the environment.
- 5.5 Civic Waste Facility
- 5.5.1 The Civic Waste Facility shall only be used by private vehicles. The facility shall not be used as a transfer station for disposal of waste by commercial waste disposal contractors or local authority waste collection vehicles.
- 5.5.2 Only those wastes types which are agreed in advance with the Agency may be accepted at the Civic Waste Facility.
- 5.6 Waste Storage Areas
- 5.6.1 Prior to the commencement of waste activities at the facility the licensee shall construct bays for the storage of segregated waste streams.

5.6.2 Unless otherwise agreed with the Agency all wastes other than segregated glass and baled paper, cardboard and plastic shall be stored indoors.

5.6.3 All baled waste which is stored outdoors shall be appropriately covered.

5.7 Waste Water Management

5.7.1 All waste water generated at the facility and surface water arising from all areas where waste processing/storage occurs (including a Civic Waste Facility) shall discharge to the waste water system.

5.8 Surface Water Management

5.8.1 All other surface waters from the yard area shall pass through a silt trap and oil separator prior to discharge to the stream located to the south of the facility.

5.9 Maintenance

5.9.1 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.

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

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

5.10 Landscaping

5.10.1 The existing hedgerow network which forms the boundary of the facility shall be retained by the licensee. Within six months of the date of grant of this licence the licensee shall complete a planting programme to augment the hedgerows around the site.

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. Emissions to Surface Water

6.3.1. The trigger levels for surface water discharges from the facility measured at monitoring point SD-1 are:

a) BOD 25mg/l

b) Suspended Solids 35mg/l

- 6.3.2. No substance shall be discharged in a manner, or at a concentration which, following initial dilution causes tainting of fish or shellfish.
- 6.3.3. Only roof waters shall be discharged directly to the stream located to the south of the facility.
- 6.3.4. Surface water discharges from the facility shall only be made at the two locations as per Condition 5.7.1 and 5.8.1 above.
- 6.4. There shall be no clearly audible tonal component or impulsive component in the noise emissions from the activity at the noise sensitive locations.
- 6.5. Emissions to Sewer
- 6.5.1. Unless otherwise agreed in advance with the Agency and the Sanitary Authority, the following shall apply for the discharge of waste water to sewer (via the waste water discharge line indicated on Drawing No. 95145-10).
- 6.5.1.1. There shall be no other discharge or emission to sewer of environmental significance.
- 6.5.1.2. No substance shall be present in emissions to sewer in such concentrations as would constitute a danger to sewer maintenance personnel working in the sewerage system, or as would be damaging to the fabric of the sewer, or as would interfere with the biological functioning of a downstream wastewater treatment works.
- 6.5.1.3. The licensee shall permit authorised persons of the Agency and the Sanitary Authority to inspect, examine and test, at all reasonable times, any works and apparatus installed, in connection with the discharge or emission, and to take samples of the discharge or emission.
- 6.5.1.4. No discharge or emission to sewer shall take place which might give rise to any reaction within the sewer or to the liberation of by-products which may be of environmental significance.
- 6.5.1.5. Non-trade effluent wastewater (e.g. firewater, accidental spillage) which occurs on-site shall not be discharged to the sewer without the prior authorisation of the Sanitary Authority.
- 6.5.1.6. The licensee shall provide and maintain an inspection chamber in a suitable position in connection with each pipe through which a discharge or emission is being made. Each such inspection chamber or manhole shall be constructed and maintained by the licensee so as to permit the taking of samples of the discharge.
- 6.6. Dust Emissions to Atmosphere
- 6.6.1. Emission limits for particulate emissions to atmosphere from any dust abatement system shall be interpreted in the following way:
- 6.7.1.1 Non-Continuous Monitoring
- i) No 30 minute mean value shall exceed the emission limit value. In the case that due to sampling/analytical limitations, a 30 minute sample is inappropriate, a suitable sampling period shall be employed and the value obtained therein shall not exceed the emission limit value.
- 6.7. Emission limit values for emissions to sewer in this licence shall be interpreted in the following way:-

- a) Non-Continuous monitoring.

Eight out of ten consecutive results, calculated as daily mean concentration or mass emission values on the basis of flow proportional composite sampling shall exceed 1.2 times the emission limit value.

- b) No grab sample shall exceed 1.2 times the emission limit value.

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

CONDITION 7 NUISANCE CONTROL

- 7.1 The licensee shall ensure that vermin, birds, flies, mud, dust, litter and odours do not give rise to nuisance at the facility or in the immediate area of the facility. Any method used by the licensee to control any such nuisance shall not cause environmental pollution.
- 7.2 The road network in the vicinity of the facility shall be kept free from any debris caused by vehicles entering or leaving the facility. Any such debris or deposited materials shall be removed without delay.
- 7.3 Litter Control
- 7.3.1 All loose litter or other waste, placed on or in the vicinity of the facility, other than in accordance with the requirements of this licences, shall be removed, subject to the agreement of the landowners, immediately and in any event by 10.00am of the next working day after such waste is discovered.
- 7.3.2 The licensee shall ensure that all vehicles delivering waste to and removing waste and materials from the facility are appropriately covered.
- 7.4 Dust/Odour Control
- 7.4.1 All waste for disposal stored overnight at the facility, shall be stored in suitably covered and enclosed containers within the Waste Transfer Building, and shall be removed from the facility within forty-eight hours of its arrival at the facility except at Bank Holiday weekends. At Bank holiday weekends, waste for disposal shall be removed from the facility within seventy-two hours of its arrival.
- 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.
- 7.4.3 Prior to the date of commencement of the waste activities at the facility, the licensee shall provide and maintain dust curtains on the entry/exit points from the waste transfer building, all other doors in this building shall be kept closed where possible.
- 7.4.4 Within six months of the commencement of waste activities at the facility the licensee shall complete and submit a report assessing the need for the following:
- 7.4.4.1 Installation and maintenance of integrity and negative pressure throughout the building to ensure no significant escape of odours or dust.
- 7.4.4.2 Installation of an odour management system.

REASON: *To provide for the control of nuisances*

CONDITION 8 MONITORING

- 8.1. The licensee shall carry out such monitoring and at such locations and frequencies as set out in *Schedule D: Monitoring*, of this licence and as specified in this licence. Unless otherwise specified by this licence, all environmental monitoring shall commence no later than 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. Nuisance Monitoring
- 8.7.1 The licensee shall, at a minimum of one week intervals, inspect the facility and its immediate surrounds for nuisances caused by litter, vermin, birds, flies, mud, dust and odours.

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

CONDITION 9 CONTINGENCY ARRANGEMENTS

- 9.1. In the event of an incident the licensee shall immediately:
- identify the date, time and place of the incident;
 - carry out an immediate investigation to identify the nature, source and cause of the incident and any emission arising therefrom;
 - isolate the source of any such emission;
 - evaluate the environmental pollution, if any, caused by the incident;
 - identify and execute measures to minimise the emissions/malfunction and the effects thereof;

f) provide a proposal to the Agency for its agreement within one month of the incident occurring to:

- i) identify and put in place measures to avoid reoccurrence of the incident; and
- ii) identify and put in place any other appropriate remedial action.

9.2. The licensee shall, prior to the date of commencement of the waste activities at the facility, 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;

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

CONDITION 10 RECORDS

10.1 The licensee shall keep the following documents at the facility office.

- a) the current waste licence relating to the facility;
- b) the current EMS for the facility;
- c) the previous year's AER for the facility;
- d) all written procedures produced by the licensee which relate to the licensed activities.

10.2 The licensee shall maintain a written record for each load of waste arriving at and departing from the facility, excluding those arriving at the Civic Waste Facility. The licensee shall record the following:

- a) the date;
- b) the name of the carrier (including if appropriate, the waste collection permit details);
- c) the vehicle registration number;
- d) the name of the producer(s)/collector(s) of the waste as appropriate;

- e) the name of the waste facility (if appropriate) from which the load originated including the waste licence or waste permit register number;
- f) a description of the waste including the associated EWC codes;
- g) the quantity of the waste, recorded in tonnes
- h) the name of the person checking the load; and,
- i) where loads or wastes are removed or rejected, details of the date of occurrence, the types of waste and the facility to which they were removed,
- j) where applicable a consignment note number (including transfrontier shipment notification and movement/tracking form numbers, as appropriate).

10.3 Written Records

The following written records shall be maintained by the licensee:

- a) the types and quantities of waste recovered at the facility each year. These records shall include the relevant EWC Codes;
- b) all training undertaken by facility staff;
- c) results from all integrity tests of bunds and other structures and any maintenance or remedial work arising from them;
- d) details of all nuisance inspections; and
- e) the names and qualifications of all persons who carry out all sampling and monitoring as required by this licence and who carry out the interpretation of the results of such sampling and monitoring.

10.4 The licensee shall maintain a written record of all complaints relating to the operation of the activity. Each such record shall give details of the following:

- a) date and time of the complaint;
- b) the name of the complainant;
- c) details of the nature of the complaint;
- d) actions taken on foot of the complaint and the results of such actions; and,
- e) the response made to each complainant.

10.5 A written record shall be kept for each load of waste departing from the Civic Waste Facility.

10.6 A written record shall be kept at the facility of the programme for the control and eradication of vermin and fly infestations at the facility. These records shall include as a minimum the following:

- a) the date and time during which spraying of insecticide is carried out;
- b) contractor details;
- c) contractor logs and site inspection reports;
- d) details of the rodenticide(s) and insecticide(s) used;
- e) operator training details;
- f) details of any infestations;
- g) mode, frequency, location and quantity of application; and,

- h) measures to contain sprays within the facility boundary.

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

CONDITION 11 REPORTS AND NOTIFICATIONS

- 11.1 Unless otherwise agreed by the Agency, all reports and notifications submitted to the Agency shall:
 - a) be sent to the Agency's headquarters;
 - b) comprise one original and three copies unless additional copies are required;
 - c) be formatted in accordance with any written instruction or guidance issued by the Agency;
 - d) include whatever information as is specified in writing by the Agency;
 - e) be identified by a unique code, indicate any modification or amendment, and be correctly dated to reflect any such modification or amendment;
 - f) be submitted in accordance to the relevant reporting frequencies specified by this licence, such as in Schedule E;
 - g) be accompanied by a written interpretation setting out their significance in the case of all monitoring data; and
 - h) be transferred electronically to the Agency's computer system if required by the Agency.
- 11.2 In the event of an incident occurring on the facility, the licensee shall:
 - a) notify the Agency as soon as practicable and in any case not later than 10.00 am the following working day after the occurrence of any incident;
 - b) submit a written record of the incident, including all aspects described in Condition 9.1(a-e), to the Agency as soon as practicable and in any case within five working days after the occurrence of any incident; and
 - c) in the event of any incident which relates to discharges to surface/sewer water, notify the Shannon Regional Fisheries Board as soon as practicable and in any case not later than 10:00am on the following working day after such an incident.
 - d) Should any further actions be taken as a result of an incident occurring, the licensee shall forward a written report of those actions to the Agency as soon as practicable and no later than ten days after the initiation of those actions.
- 11.3 Waste Recovery Reports
 - 11.3.1 Within six months of the date of grant of this licence, a report examining waste recovery options shall be submitted to the Agency for its agreement. This report shall address methods to contribute to the achievement of the recovery targets stated in national and European Union waste policies and shall include the following:
 - a) proposals for the contribution of the facility to the achievement of targets for the reduction of biodegradable waste to landfill as specified in the Landfill Directive;
 - b) the separation of recyclable materials from the waste;
 - c) the recovery of Construction and Demolition Waste;

- d) the recovery of metal waste and white goods including written procedures for the de-gassing of CFC's from refrigerators;
- e) the recovery of commercial waste, including cardboard;

11.4 Monitoring Locations

- 11.4.1. Prior to the date of commencement of the waste activities at the facility, the licensee shall submit to the Agency an appropriately scaled drawing(s) showing all the monitoring locations that are stipulated in this licence. The drawing(s) shall include the reference code of each monitoring point.

11.5 Annual Environmental Report

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

REASON: To provide for proper reporting and notification of the Agency.

CONDITION 12 CHARGES AND FINANCIAL PROVISIONS

12.1 Agency Charges

- 12.1.1 The licensee shall pay to the Agency an annual contribution of €9,129 or such sum as the Agency from time to time determines, towards the cost of monitoring the activity or otherwise in performing any functions in relation to the activity, as the Agency considers necessary for the performance of its functions under the Waste Management Act, 1996. The licensee shall in 2003 and subsequent years, not later than January 31 of each year, pay to the Agency this amount updated in accordance with changes in the Public Sector Average Earnings Index from the date of the licence to the renewal date. The updated amount shall be notified to the licensee by the Agency. For 2002, the licensee shall pay a pro rata amount from the date of this licence to 31st 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.*

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SCHEDULE A : Waste Acceptance

A.1 Waste Acceptance

Table A.1 Waste Categories and Quantities

WASTE TYPE	MAXIMUM (TONNES PER ANNUM)
Household	3,500
Commercial	4,500
Non-hazardous Industrial Waste	10,600
Construction and Demolition Waste	1,100
TOTAL	19,700

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 surface and waste water drainage networks including shut off valves and associated storage capacity for waste/surface water
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 ² /day) ^{Note 1}
350

Note 1: 30 day composite sample with the results expressed as mg/m²/day.

C.3 Emission Limits For Dust Abatement System (where required): Measured at a point to be agreed with the Agency.

Parameter	Emission Limit Value
Total Particulates	50mg/m ³

C.4 Surface Water Discharge Limits
Measured at monitoring point SP-1, as per Table D.1.1

Parameter	Emission Limit Value
Mineral Oils	5mg/l

C.5 Emission Limits for Waste Water Emissions to Sewer

Emission Point Reference No.

FW-1

Volume to be emitted:

Maximum in any one day: 5 m³

Parameter	Emission Limit Value	
	Grab Sample (mg/l)	Daily Mean Loading (kg/day)
BOD	350	1.75
COD	500	2.5
Suspended solids	300	1.5
PH	6-8	-
Temperature	Ambient	-
Phosphates (Total)	2	0.01

SCHEDULE D : Monitoring

Monitoring to be carried out as specified below.

D.1 Monitoring Locations

Monitoring locations shall be those as set out in Table D.1.1 and attachment J of the application.

Table D.1.1 Noise, surface water and waste water Monitoring Locations

NOISE STATIONS ^{*Note1}	SURFACE WATER STATIONS ^{*Note2}	WASTE WATER STATIONS ^{*Note3}	DUST LOCATIONS ^{*Note4}
N1	SD-1	FW-1	D1
N5	SW1		D2
N6	SW2		D3
N7			

Note 1: Locations as per Figure C.8.1 of the application.

Note 2: SD-1 – Surface water discharge point to be agreed with the Agency, SW1 and SW2 as per Figure C.9.2 of the application

Note 3: To be agreed in advance with the Agency

Note 4: To be agreed in advance with the Agency

D.2 Dust Deposition

Table D.2.1 Dust Deposition Monitoring Frequency and Technique

Parameter (mg/m ² /day)	Monitoring Frequency	Analysis Method/Technique
Dust	Three times a year ^{Note 2}	Standard Method ^{Note 1}

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 Particulate Emissions (where relevant)

Table D.3.1 Particulate Emissions Monitoring Frequency and Technique

Parameter	Monitoring Frequency	Analysis Method/Technique
Total Particulates	Annually	Isokinetic/Gravimetric

D.4 Noise

Table D.4.1 Noise Monitoring Frequency and Technique

Parameter	Monitoring Frequency	Analysis Method/Technique
L(A) _{EQ} [30 minutes]	Annual	Standard ^{Note 1}
L(A) ₁₀ [30 minutes]	Annual	Standard ^{Note 1}
L(A) ₉₀ [30 minutes]	Annual	Standard ^{Note 1}
Frequency Analysis(1/3 Octave band analysis)	Annual	Standard ^{Note 1}

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

D.5 Surface Water Emissions

Table D.5.1 Surface water Monitoring Frequency and Techniques

Parameter	Monitoring Frequency	Analysis Method/Technique
PH	Quarterly	Electrometry
Biological Oxygen Demand	Quarterly	Standard Methods ^{Note 1}
Suspended Solids	Quarterly	Standard Methods ^{Note 1}
Mineral Oils	Quarterly	Standard Methods ^{Note 1}

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

D.6 Waste water Emissions

Table D.6.1 Waste water Monitoring Frequency and Techniques

Parameter	Monitoring Frequency	Analysis Method/Technique
PH	Quarterly	Electrometry
Biological Oxygen Demand	Quarterly	Standard Methods ^{Note 1}
Chemical Oxygen Demand	Quarterly	Standard Methods ^{Note 1}
Suspended Solids	Quarterly	Standard Methods ^{Note 1}
Temperature	Quarterly	Temperature probe
Flow	Daily	^{Note 2}

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: Flow to sewer to be monitored on a daily basis by metering the volume of water used at the facility on a daily basis.

SCHEDULE E : Recording and Reporting to the Agency

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

Note 1: Unless altered at the request of the Agency

SCHEDULE F : Content of the Annual Environmental Report

Annual Environmental Report Content

Reporting Period.

Waste activities carried out at the facility.

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

Summary report on emissions

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

Resource and energy consumption summary.

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 24th day of May 2002

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

Iain Maclean,

Director/Authorised Person



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

**WASTE LICENCE
TECHNICAL AMENDMENT A**

Licence Register Number:	163-1
Licensee:	Bergin Waste Disposal Limited
Location of Facility:	Ballaghaderreen Industrial Estate, Ballaghaderreen, Co. Roscommon.

Reasons for the Decision

The Environmental Protection Agency (the Agency) is satisfied, on the basis of the information available, that subject to compliance with the conditions of licence Reg. No. 163-1 granted on the 24th May 2002, as well as any amendments noted herein any emissions from the activity will comply with and not contravene any of the requirements of Section 40(4) of the Waste Management Acts 1996 to 2005.

Technical Amendment

In pursuance of the powers conferred on it by Section 42B(1)(c) of the Waste Management Acts 1996 to 2005, the Agency amends Licence Reg. No. 163-1, granted to Bergin Waste Disposal Limited, Ballaghaderreen Industrial Estate, Ballaghaderreen, County Roscommon.

Henceforth, Waste Licence Register No. 163-1 (granted 24/05/2002) shall be read in conjunction with the amendments set out below.

This technical amendment is limited to the following conditions of Licence Reg. No. 163-1:

Condition 1.2 is replaced by the following:

- 1.2 For the purposes of this licence, the facility authorised by this licence, is the area of land outlined in red and blue on Ordnance Survey Map Extract dated 20/11/2000 (scale 1:2500) submitted as part of the technical amendment application received on 13/04/06. Any reference in this licence to "facility" shall mean the area thus outlined in red and blue colour. The licensed activities shall be the carried on only within the area outlined.

The following condition is inserted after Condition 5.10:

- 5.11 The north-eastern area outlined in blue on the Ordnance Survey Map Extract dated 20/11/2000 (scale 1:2500) submitted as part of the technical amendment application received on 13/04/06 shall be used only for the parking of empty vehicles and storage of empty skips, or as otherwise approved in writing by the Agency. No waste shall be processed or stored in this area.

This technical amendment shall be cited as Amendment A to Waste Licence Reg. No. 163-1 which was granted on 24th May 2002 (shorthand: 163-1/A).

Sealed by the seal of the Agency on this the 24th day of May 2006.

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

Dr. Padraic Larkin, Director

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

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**WASTE LICENCE
TECHNICAL AMENDMENT A**

Licence Register Number:	163-1
Licensee:	Bergin Waste Disposal Limited
Location of Facility:	Ballaghaderreen Industrial Estate, Ballaghaderreen, Co. Roscommon.

Reasons for the Decision

The Environmental Protection Agency (the Agency) is satisfied, on the basis of the information available, that subject to compliance with the conditions of licence Reg. No. 163-1 granted on the 24th May 2002, as well as any amendments noted herein any emissions from the activity will comply with and not contravene any of the requirements of Section 40(4) of the Waste Management Acts 1996 to 2005.

Technical Amendment

In pursuance of the powers conferred on it by Section 42B(1)(c) of the Waste Management Acts 1996 to 2005, the Agency amends Licence Reg. No. 163-1, granted to Bergin Waste Disposal Limited, Ballaghaderreen Industrial Estate, Ballaghaderreen, County Roscommon.

Henceforth, Waste Licence Register No. 163-1 (granted 24/05/2002) shall be read in conjunction with the amendments set out below.

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Condition 1.2 is replaced by the following:

- 1.2 For the purposes of this licence, the facility authorised by this licence, is the area of land outlined in red and blue on Ordnance Survey Map Extract dated 20/11/2000 (scale 1:2500) submitted as part of the technical amendment application received on 13/04/06. Any reference in this licence to "facility" shall mean the area thus outlined in red and blue colour. The licensed activities shall be the carried on only within the area outlined.

The following condition is inserted after Condition 5.10:

- 5.11 The north-eastern area outlined in blue on the Ordnance Survey Map Extract dated 20/11/2000 (scale 1:2500) submitted as part of the technical amendment application received on 13/04/06 shall be used only for the parking of empty vehicles and storage of empty skips, or as otherwise approved in writing by the Agency. No waste shall be processed or stored in this area.

This technical amendment shall be cited as Amendment A to Waste Licence Reg. No. 163-1 which was granted on 24th May 2002 (shorthand: 163-1/A).

Sealed by the seal of the Agency on this the 24th day of May 2006.

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

Dr. Padraic Larkin, Director

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**OFFICE OF
LICENSING &
GUIDANCE**

TO:	Dr P Larkin, Director
C.C:	Mr P Nolan
FROM:	P Hermansen
DATE:	15/05/06
RE:	Technical Amendment Bergin Waste Disposal Limited, Reg. No. 163-1.

The Agency has received a letter from Bergin Waste Disposal Limited on 13/4/05 requesting minor amendment to the terms of the existing waste licence so as to provide for extension of the licensed facility boundary. The OEE has advised that this cannot be accommodated under the existing licence.

In 2005 Bergin Waste Disposal Ltd acquired about 2.5 acres of land located immediately adjacent to the existing facility. The existing facility is located in an industrial estate. The licensee proposes to use the additional acquired land for storage of skips, waste vehicles and private vehicles. It is foreseen that the proposal would have negligible impact on the environment, as no waste processing would be carried out in the proposed extension to the facility.

Conditions attached to the proposed Technical Amendment limit the use of the extended area at the north-east of the site to storage of empty skips and vehicles.

Recommendation

I recommend that the licence amendment be approved as set out in the attached Recommended Technical Amendment.



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

**WASTE LICENCE
PROPOSED DECISION**

Waste Licence
Register Number: 163-1
Applicant: Bergin Waste Disposal Limited
Location of Facility: Ballaghaderreen Industrial Estate,
Ballaghaderreen, Co. Roscommon

INTRODUCTION

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

This licence is for the operation of a proposed waste transfer station and recycling facility at Ballaghaderreen Industrial Estate, Ballaghaderreen, Co. Roscommon.

Bergin Waste Disposal Limited will be licensed to accept non-hazardous wastes only at this facility. The waste types to be accepted at the facility are household, commercial, industrial and some construction and demolition wastes. No hazardous or liquid wastes may be accepted at the facility. The facility will not be permitted to accept waste until the construction of proposed waste transfer/recycling building and associated infrastructure has been completed. The maximum annual quantity of waste to be accepted at the facility is 19,700 tonnes and all waste processing must be carried out indoors. This licence provides for the installation and operation of a Civic Waste Facility at the facility.

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

The licence sets out in detail the conditions under which Bergin Waste Disposal Ltd are required to operate and manage this facility.

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DECISION & REASONS FOR THE DECISION

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

In reaching this decision the Agency has considered the application and supporting documentation received from the applicant, all submissions received from other parties and the report of its inspector.

Part I Activities Licensed

In pursuance of the powers conferred on it by the Waste Management Act, 1996, the Environmental Protection Agency (the Agency) proposes, under Section 40(1) of the said Act to grant this Waste Licence to Bergin Waste Disposal Ltd. to carry on the waste activities listed below at Ballaghaderreen Industrial Estate, Ballaghaderreen, Co. Roscommon 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 11.	Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule. This activity is limited to the bulking and transfer of waste at the facility.
Class 12.	Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule. This activity is limited to the bulking and transfer of waste at the facility.
Class 13.	Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned was produced. This activity is limited to the storage of wastes at the facility prior to movement off-site.

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

Class 2.	Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes): This activity is limited to the recovery of paper, cardboard and wood at the facility.
Class 3.	Recycling or reclamation of metals and metal compounds: This activity is limited to the recovery of metals and metal compounds at the facility.
Class 4.	Recycling or reclamation of other inorganic materials: This activity is limited to the recovery of inert wastes (e.g. construction and demolition wastes) at the facility.
Class 11.	Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule: This activity is limited to the potential use of wastes on-site in the case of an emergency (e.g. the use of shredded wood as a spill absorbent)
Class 13.	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: This activity is limited to the storage of wastes at the facility prior to recovery

INTERPRETATION

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

Adequate lighting	20 lux measured at ground level.
Agreement	Agreement in writing.
Annually	At approximately twelve monthly intervals.
Attachment	Any reference to Attachments in this licence refers to attachments submitted as part of the waste licence application.
Application	The application by the licensee for this waste licence.
Appropriate facility	A waste management facility, duly authorised under relevant law and technically suitable.
Biodegradable waste	Any waste that is capable of undergoing anaerobic or aerobic decomposition, such as food, garden waste, sewage sludge, paper and paperboard.
Condition	A condition of this licence.
Consignment Note	All movements of hazardous waste within Ireland must be accompanied by a "C1" consignment note issued by a local authority under the Waste Management (Movement of Hazardous Waste) Regulations (SI No. 147 of 1998). Transfrontier shipment notification and movement/tracking form numbers are required for all exports of waste from, into or through the state under the Waste Management (Transfrontier Shipment of Waste) Regulations (SI No. 149 of 1998).
Construction and Demolition Waste	All wastes which arise from construction, renovation and demolition activities.
Containment boom	A boom which can contain spillages and prevent them from entering drains or watercourses.
Daytime	8.00 a.m. to 10.00 p.m.
Documentation	Any report, record, result, data, drawing, proposal, interpretation or other document in written or electronic form which is required by this licence.
Drawing	Any reference to a drawing or drawing number means a drawing or drawing number contained in the application, unless otherwise specified in this licence.
Emergency	Those occurrences defined in Condition 9.4
Emission Limits	Those limits, including concentration limits and deposition levels established in Schedule C.
European Waste Catalogue (EWC)	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

	subsequent amendment published in the Official Journal of the European Community.
Green waste	Waste wood (excluding timber), plant matter such as grass cuttings, and other vegetation.
Hours of Operation	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.
Hours of Waste Acceptance	The hours during which the facility is authorised to accept waste.
Industrial Waste	As defined in Section 5(1) of the Act.
Inert waste	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.
Licence	A Waste Licence issued in accordance with the Act.
Licensee	Bergin Waste Disposal Limited
Liquid Waste	Any waste in liquid form and containing less than 2% dry matter. Any waste tankered to the facility.
Maintain	Keep in a fit state including such regular inspection, servicing, calibration and repair as may be necessary to adequately perform its function.
Monthly	A minimum of 12 times per year, at approximately monthly intervals.
Night-time	10.00 p.m. to 8.00 a.m.
Noise Sensitive Location (NSL)	Any dwelling house, hotel or hostel, health building, educational establishment, place of worship or entertainment, or any other facility or area of high amenity which for its proper enjoyment requires the absence of noise at nuisance levels.
Oil Separator	Device installed according to the draft European Standard prEN 858 (Installations for the separation of light liquids, e.g. oil and petrol).
Recyclable Materials	Those waste types, such as cardboard, batteries, gas cylinders, etc, which may be recycled
Quarterly	At approximately three monthly intervals.
Sanitary Authority	Roscommon County Council
Sample(s)	Unless the context of this licence indicates to the contrary, samples shall include measurements by electronic instruments.
Specified Emissions	Those emissions listed in <i>Schedule C: Emission Limits</i> of this licence.
Specified Engineering Works	Those engineering works listed in <i>Schedule B: Specified Engineering Works</i> of this licence.

Trigger Level	A parameter value specified in the licence, the achievement or exceedance of which requires certain actions to be taken by the licensee.
Waste water	Sewage and drainage from waste transfer building, vehicle wash, waste processing/storage areas, weighbridge.
Weekly	During all weeks of plant operation, and in the case of emissions, when emissions are taking place; with no more than one measurement in any one week.
White Goods	Refrigerators, cookers, ovens and other similar appliances.
EPA Working Day	Refers to the following hours; 9.00 a.m. to 5.30 p.m. Monday to Friday inclusive.

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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 Figure No. B.2.1 of the application. Any reference in this licence to "facility" shall mean the area thus outlined in red.
- 1.3. This licence is for the purposes of waste licensing under the Waste Management Act 1996 only and nothing in this licence shall be construed as negating the licensee's statutory obligations or requirements under any other enactments or regulations.
- 1.4. Only those waste categories and quantities listed in *Schedule A: Waste Acceptance* of this licence, shall be accepted at the facility.
- 1.5. No hazardous wastes or liquid wastes shall be accepted at the facility.
- 1.6. Waste Acceptance Hours and Hours of Operation
 - 1.6.1. Waste shall only be accepted at the facility between the hours of 8.00am to 6.00pm Monday to Saturday inclusive.
 - 1.6.2. The facility shall only be operated during the hours of 8.00am to 8.00pm Monday to Saturday inclusive.
 - 1.6.3. Waste shall not be accepted at the facility on Sundays or on Bank Holidays unless otherwise agreed in advance with the Agency.
- 1.7. The following shall constitute an incident for the purposes of this licence:
 - a) an emergency;
 - b) any emission which does not comply with the requirements of this licence;
 - c) any exceedance of the daily duty capacity of the waste handling equipment;
 - d) any trigger level specified in this licence which is attained or exceeded; and
 - e) any indication that environmental pollution has, or may have, taken place.
- 1.8. Where the Agency considers that a non-compliance with any condition of this licence has occurred, it may serve a notice on the licensee specifying:
 - 1.8.1. That only those wastes as specified, if any, in the notice are to be accepted at the facility after the date set down in the notice;
 - 1.8.2. That the licensee shall undertake 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
 - 1.8.3. That the licensee shall carry out any other requirement specified in the notice.

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

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

Reason: To clarify the scope of this licence

CONDITION 2 MANAGEMENT OF THE FACILITY

2.1 Facility Management

- 2.1.1 The licensee shall employ a suitably qualified and experienced facility manager who shall be designated as the person in charge. The facility manager or a nominated, suitably qualified and experienced, deputy shall be present on the facility at all times during its operation.
- 2.1.2 Both the facility manager and deputy, and any replacement manager or deputy, shall successfully complete both the FAS waste management training programme (or equivalent agreed with the Agency) and associated on site assessment appraisal within twelve months of appointment.
- 2.1.3 The licensee shall ensure that personnel performing specifically assigned tasks shall be qualified on the basis of appropriate education, training and experience, as required and shall be aware of the requirements of this licence.

2.2 Management Structure

- 2.2.1 Prior to the commencement of waste activities, the licensee shall submit written details of the management structure of the facility to the Agency. Any proposed replacement in the management structure shall be notified in advance in writing to the Agency. Written details of the management structure shall include the following information
- a) the names of all persons who are to provide the management and supervision of the waste activities authorised by the licence, in particular the name of the facility manager and any nominated deputies;
 - b) details of the responsibilities for each individual named under a) above; and
 - c) details of the relevant education, training and experience held by each of the persons nominated under a) above.
- 2.2.2 Prior to the date of commencement of the waste activities at the facility, the following information shall be submitted to the Agency for its agreement: the names, qualifications and a summary of relevant experience of all persons that will carry out all sampling and monitoring as required by this licence and who carry out the interpretation of the results of such sampling and monitoring. Any proposed changes to the above shall be submitted in writing to the Agency for its agreement.

2.3 Environmental Management System (EMS)

2.3.1 The licensee shall establish and maintain an EMS. Within **six** months from the date of grant of this licence, the licensee shall submit to the Agency for its agreement a proposal for a documented Environmental Management System (EMS) for the facility. Following the agreement of the Agency, the licensee shall establish and maintain such a system. The EMS shall be updated on an annual basis with amendments being submitted to the Agency for its agreement.

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

2.3.2.1 Schedule of Environmental Objectives and Targets

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

2.3.2.2 Environmental Management Plan (EMP)

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

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

2.3.2.3 Corrective Action Procedures

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

2.3.2.4 Awareness and Training Programme

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

2.4 Communications Programme

2.4.1 The licensee shall establish and maintain a Communications Programme to ensure that members of the public can obtain information at the facility, at all reasonable times, concerning the environmental performance of the facility. This shall be established within **six** months of the date of grant of this licence.

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

CONDITION 3 FACILITY INFRASTRUCTURE

3.1 The licensee shall establish all infrastructure referred to in this licence prior to the commencement of the licensed activities or as required by the conditions of this licence. No waste shall be accepted at the facility without the prior written agreement of the Agency.

3.2 Specified Engineering Works

3.2.1 The licensee shall submit proposals for all Specified Engineering Works, as defined in *Schedule B: Specified Engineering Works* of this licence, to the Agency for its agreement at least two months prior to the intended date of commencement of any such works. No such works shall be carried out without the prior agreement of the Agency.

3.2.2 All specified engineering works shall be supervised by a competent person(s) and that person, or persons, shall be present at all times during which relevant works are being undertaken.

3.2.3 Following the completion of all specified engineering works, the licensee shall complete a construction quality assurance validation where applicable. The validation report shall be made available to the Agency on request. The report shall include the following information;

- a) a description of the works;
- b) as-built drawings of the works;
- c) records and results of all tests carried out (including failures);
- d) drawings and sections showing the location of all samples and tests carried out;
- e) daily record sheets/diary;
- f) name(s) of contractor(s)/individual(s) responsible for undertaking the specified engineering works;
- g) name(s) of individual(s) responsible for supervision of works and for quality assurance validation of works;
- h) records of any problems and the remedial works carried out to resolve those problems; and
- i) any other information requested in writing by the Agency.

3.3 Facility Notice Board

3.3.1 The licensee shall provide and maintain a Facility Notice Board on the facility so that it is legible to persons outside the main entrance to the facility. The minimum dimensions of the board shall be 1200 mm by 750 mm.

3.3.2 The board shall clearly show:

- a) the name and telephone number of the facility;
- b) the normal hours of opening;
- c) the normal hours of operation;
- d) the name of the licence holder;
- e) an emergency out of hours contact telephone number;
- f) the licence reference number; and
- g) where environmental information relating to the facility can be obtained.

3.4 Facility Security

- 3.4.1 Security gates shall be installed and maintained at the entrance to the facility and adequate security fencing shall be provided around the perimeter of the facility.
- 3.4.2 The licensee shall remedy any defect in the gates and/or fencing as follows:
- a) a temporary repair shall be made by the end of the working day; and,
 - b) a repair to the standard of the original gates and/or fencing shall be undertaken within three working days.
- 3.5 Facility Roads and Hardstanding
- 3.5.1 Effective site roads shall be provided and maintained to ensure the safe movement of vehicles within the facility.
- 3.5.2 The licensee shall provide, and maintain impermeable hardstanding surfaces inside the main transfer building and at all areas of the facility where waste activities take place. All other areas of the facility (other than areas being used for the purposes of landscaping) shall be surfaced with tarmac or similar material subject to the agreement of the Agency.
- 3.6 Facility Office
- 3.6.1 The licensee shall provide and maintain an office at the facility. The office shall be constructed and maintained in a manner suitable for the processing and storing of documentation.
- 3.6.2 The licensee shall provide and maintain a working telephone and a method for electronic transfer of information at the facility.
- 3.7 Waste Quarantine Areas
- 3.7.1 A Waste Quarantine Area shall be provided and maintained at the facility.
- 3.7.2 The waste quarantine area shall be constructed and maintained in a manner suitable, and be of a size appropriate for the quarantine of a load of waste which may be accepted at the facility. The waste quarantine area shall be clearly identified and segregated and shall be located in a covered area.
- 3.7.3 Drainage from these areas shall be directed to the waste water system.
- 3.8 Weighbridge and Vehicle Cleaning
- 3.8.1 The licensee shall provide and maintain a weighbridge and vehicle washing unit at the facility.
- 3.9 Waste handling, Air handling/ventilation and processing plant
- 3.9.1 Items of plant deemed critical to the efficient and adequate processing of waste and the control of emissions from 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 Prior to the commencement of waste activities at the facility the licensee shall provide a report for the agreement of the Agency detailing the duty and standby capacity in tonnes per day, of all waste handling and processing equipment to be used at the facility. These capacities shall be based on the licensed waste intake, *as per* Schedule A.
- 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 Surface Water Drainage Infrastructure
- 3.10.1 The licensee shall provide and maintain a surface water drainage system at the facility for the collection of all clean waters at the facility.
- 3.10.2 Prior to the commencement of waste activities at the facility the licensee shall install a shut-off valve at the surface water discharge point from the facility.
- 3.11 Waste Water Drainage Infrastructure
- 3.11.2 The licensee shall provide and maintain a waste water system at the facility which is capable of collecting all waste water generated at the facility.
- 3.11.3 The licensee shall install a shut-off valve at the waste water discharge point from the facility.
- 3.12 Tank and Drum Storage Areas
- 3.12.1 All tank and drum storage areas shall be rendered impervious to the materials stored therein.
- 3.12.2 All tank and drum storage areas shall, as a minimum, be bunded, either locally or remotely, to a volume not less than the greater of the following:
- (a) 110% of the capacity of the largest tank or drum within the bunded area; or
 - (b) 25% of the total volume of substance which could be stored within the bunded area.
- 3.12.3 All drainage from bunded areas shall be diverted for collection and safe disposal.
- 3.12.4 All inlets, outlets, vent pipes, valves and gauges must be within the bunded area.
- 3.12.5 The integrity and water tightness of all the bunds and their resistance to penetration by water or other materials stored therein shall be confirmed by the licensee and shall be reported to the Agency following its installation and prior to its use as a storage area. This confirmation shall be repeated at least once every three years thereafter and reported to the Agency on each occasion
- 3.13 Silt Traps and Oil Separators/Interceptors
- 3.13.1 The licensee shall install and maintain a silt trap and oil interceptor at the facility to ensure that all surface water discharges from the facility pass through a silt trap and oil interceptor prior to discharge. The interceptor shall be in accordance with European Standard prEN 858 (installations for the separation of light liquids).
- 3.14 Drainage system, pipeline testing
- 3.14.1 All foul sewer gullies, drainage grids and manhole covers shall be painted with red squares whilst all surface water discharge gullies, drainage grids and manhole covers shall be painted with blue triangles. These colour codes shall be maintained so as to be

visible at all times during facility operation, and any identification designated in this licence (e.g. SW1) shall be inscribed on these manholes.

3.14.2 The drainage system, bunds, silt traps and oil separators shall be inspected weekly, desludged as necessary and properly maintained at all times. All sludge and drainage from these operations shall be collected for safe disposal. A written record shall be kept of the inspections, desludging, cleaning, disposal of associated waste products, maintenance and performance of the interceptors, bunds and drains.

3.14.3 The integrity and water tightness of all underground pipes and tanks and their resistance to penetration by water or other materials carried or stored therein shall be tested and demonstrated by the licensee and shall be reported to the Agency following their installation and prior to their use. This testing shall be carried out by the licensee at least once every three years thereafter and reported to the Agency on each occasion. A written record of all integrity tests and any maintenance or remedial work arising from them shall be maintained by the licensee.

3.15 Civic Waste Facility

3.15.1 Prior to the acceptance of waste at the Civic Waste Facility, the licensee shall provide and maintain the appropriate infrastructure for such purposes at the facility. The type of wastes to be accepted at the Civic Waste facility shall be agreed in advance with the Agency.

3.16 Monitoring Infrastructure

3.16.1 Replacement of Infrastructure

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

3.16.2 Monitoring Infrastructure

3.16.2.1 The licensee shall provide and maintain a monitoring point for the representative monitoring of the effluent being discharged from the facility to the local authority sewer, at a location to be agreed with the Agency.

3.16.2.2 The licensee shall provide and maintain a surface water discharge monitoring point at a location to be agreed with the Agency.

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 twelve months of the commencement of waste activities at this facility. The licensee shall update these schemes when required by the Agency.

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

CONDITION 5 FACILITY OPERATIONS

- 5.1 All waste processing shall be carried out inside the waste transfer building.
- 5.2 Waste Acceptance and Characterisation Procedures
- 5.2.1 Prior to the commencement of waste activities at the facility, the licensee shall establish and maintain detailed written procedures for the acceptance and handling of wastes.
- 5.2.2 Waste arriving at the facility shall be inspected at the point of entry to the facility and subject to this inspection, weighed, documented and directed to the Waste Transfer Building. Each load of waste arriving at the Waste Transfer Building shall be inspected upon tipping within this building. Only after such inspections shall the waste be processed for disposal or recovery.
- 5.2.3 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.
- 5.3 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 cleared on each occasion such bays are emptied.
- 5.3.2 All waste handling/processing equipment shall be cleared of all waste and washed down on weekly basis.
- 5.3.3 The doors of the waste transfer building shall remain closed at all times other than the movement of personnel and materials during carrying on of activity.
- 5.3.4 Scavenging shall not be permitted at the facility.
- 5.3.5 Gates shall be locked shut when the facility is unsupervised.
- 5.3.6 The licensee shall provide and use adequate lighting during the operation of the facility in hours of darkness.
- 5.3.7 Fuels shall only be stored at appropriately bunded locations on the facility.
- 5.3.8 All tanks and drums shall be labelled to clearly indicate their contents.
- 5.3.9 No smoking shall be allowed on the facility (other than at a location to be agreed in advance with the Agency)
- 5.4 Off-site Disposal and Recovery
- 5.4.1 Waste sent off-site for recovery or disposal shall only be conveyed by a waste contractor agreed by the Agency;
- 5.4.2 All waste transferred from the facility shall only be transferred to an appropriate facility agreed by the Agency;

- 5.4.3 All wastes removed off-site for recovery or disposal shall be transported from the facility to the consignee in a manner which will not adversely affect the environment.
- 5.5 Civic Waste Facility
- 5.5.1 The Civic Waste Facility shall only be used by private vehicles. The facility shall not be used as a transfer station for disposal of waste by commercial waste disposal contractors or local authority waste collection vehicles.
- 5.5.2 Only those wastes types which are agreed in advance with the Agency may be accepted at the Civic Waste Facility.
- 5.6 Waste Storage Areas
- 5.6.1 Prior to the commencement of waste activities at the facility the licensee shall construct bays for the storage of segregated waste streams.
- 5.6.2 Unless otherwise agreed with the Agency all wastes other than segregated glass and baled paper, cardboard and plastic shall be stored indoors.
- 5.6.3 All baled waste which is stored outdoors shall be appropriately covered.
- 5.7 Waste Water Management
- 5.7.1 All waste water generated at the facility and surface water arising from all areas where waste processing/storage occurs (including a Civic Waste Facility) shall discharge to the waste water system.
- 5.8 Surface Water Management
- 5.8.1 All other surface waters from the yard area shall pass through a silt trap and oil separator prior to discharge to the stream located to the south of the facility.
- 5.9 Maintenance
- 5.9.1 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.
- 5.9.2 The licensee shall maintain and clearly label and name all sampling and monitoring locations.
- 5.9.3 The licensee shall maintain all waste handling/processing plant in accordance with the manufacturers instructions.
- 5.10 Landscaping
- 5.10.1 The existing hedgerow network which forms the boundary of the facility shall be retained by the licensee. Within six months of the date of grant of this licence the licensee shall complete a planting programme to augment the hedgerows around the site.

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. Emissions to Surface Water
- 6.3.1. The trigger levels for surface water discharges from the facility measured at monitoring point SD-1 are:
- a) BOD 25mg/l
 - b) Suspended Solids 35mg/l
- 6.3.2. No substance shall be discharged in a manner, or at a concentration which, following initial dilution causes tainting of fish or shellfish.
- 6.3.3. Only roof waters shall be discharged directly to the stream located to the south of the facility.
- 6.3.4. Surface water discharges from the facility shall only be made at the two locations as per Condition 5.7.1 and 5.8.1 above.
- 6.4. There shall be no clearly audible tonal component or impulsive component in the noise emissions from the activity at the noise sensitive locations.
- 6.5. Emissions to Sewer
- 6.5.1. Unless otherwise agreed in advance with the Agency and the Sanitary Authority, the following shall apply for the discharge of waste water to sewer (via the waste water discharge line indicated on Drawing No. 95145-10).
- 6.5.1.1. There shall be no other discharge or emission to sewer of environmental significance.
- 6.5.1.2. No substance shall be present in emissions to sewer in such concentrations as would constitute a danger to sewer maintenance personnel working in the sewerage system, or as would be damaging to the fabric of the sewer, or as would interfere with the biological functioning of a downstream wastewater treatment works.
- 6.5.1.3. The licensee shall permit authorised persons of the Agency and the Sanitary Authority to inspect, examine and test, at all reasonable times, any works and apparatus installed, in connection with the discharge or emission, and to take samples of the discharge or emission.
- 6.5.1.4. No discharge or emission to sewer shall take place which might give rise to any reaction within the sewer or to the liberation of by-products which may be of environmental significance.
- 6.5.1.5. Non-trade effluent wastewater (e.g. firewater, accidental spillage) which occurs on-site shall not be discharged to the sewer without the prior authorisation of the Sanitary Authority.

6.5.1.6. The licensee shall provide and maintain an inspection chamber in a suitable position in connection with each pipe through which a discharge or emission is being made. Each such inspection chamber or manhole shall be constructed and maintained by the licensee so as to permit the taking of samples of the discharge.

6.6. Dust Emissions to Atmosphere

6.6.1. Emission limits for particulate emissions to atmosphere from any dust abatement system shall be interpreted in the following way:

6.7.1.1 Non-Continuous Monitoring

- i) No 30 minute mean value shall exceed the emission limit value. In the case that due to sampling/analytical limitations, a 30 minute sample is inappropriate, a suitable sampling period shall be employed and the value obtained therein shall not exceed the emission limit value.

6.7. Emission limit values for emissions to sewer in this licence shall be interpreted in the following way:-

- a) Non-Continuous monitoring.

Eight out of ten consecutive results, calculated as daily mean concentration or mass emission values on the basis of flow proportional composite sampling shall exceed 1.2 times the emission limit value.

- b) No grab sample shall exceed 1.2 times the emission limit value.

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

CONDITION 7 NUISANCE CONTROL

7.1 The licensee shall ensure that vermin, birds, flies, mud, dust, litter and odours do not give rise to nuisance at the facility or in the immediate area of the facility. Any method used by the licensee to control any such nuisance shall not cause environmental pollution.

7.2 The road network in the vicinity of the facility shall be kept free from any debris caused by vehicles entering or leaving the facility. Any such debris or deposited materials shall be removed without delay.

7.3 Litter Control

7.3.1 All loose litter or other waste, placed on or in the vicinity of the facility, other than in accordance with the requirements of this licences, shall be removed, subject to the agreement of the landowners, immediately and in any event by 10.00am of the next working day after such waste is discovered.

7.3.2 The licensee shall ensure that all vehicles delivering waste to and removing waste and materials from the facility are appropriately covered.

7.4 Dust/Odour Control

7.4.1 All waste for disposal stored overnight at the facility, shall be stored in suitably covered and enclosed containers within the Waste Transfer Building, and shall be

removed from the facility within forty-eight hours of its arrival at the facility except at Bank Holiday weekends. At Bank holiday weekends, waste for disposal shall be removed from the facility within seventy-two hours of its arrival.

- 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.
- 7.4.3 Prior to the date of commencement of the waste activities at the facility, the licensee shall provide and maintain dust curtains on the entry/exit points from the waste transfer building, all other doors in this building shall be kept closed where possible.
- 7.4.4 Within six months of the commencement of waste activities at the facility the licensee shall complete and submit a report assessing the need for the following:
 - 7.4.4.1 Installation and maintenance of integrity and negative pressure throughout the building to ensure no significant escape of odours or dust.
 - 7.4.4.2 Installation of an odour management system.

REASON: To provide for the control of nuisances

CONDITION 8 MONITORING

- 8.1. The licensee shall carry out such monitoring and at such locations and frequencies as set out in *Schedule D: Monitoring*, of this licence and as specified in this licence. Unless otherwise specified by this licence, all environmental monitoring shall commence no later than 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. Nuisance Monitoring
 - 8.7.1 The licensee shall, at a minimum of one week intervals, inspect the facility and its immediate surrounds for nuisances caused by litter, vermin, birds, flies, mud, dust and odours.

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

CONDITION 9 CONTINGENCY ARRANGEMENTS

- 9.1. In the event of an incident the licensee shall immediately:
- a) identify the date, time and place of the incident;
 - b) carry out an immediate investigation to identify the nature, source and cause of the incident and any emission arising therefrom;
 - c) isolate the source of any such emission;
 - d) evaluate the environmental pollution, if any, caused by the incident;
 - e) identify and execute measures to minimise the emissions/malfunction and the effects thereof;
 - f) provide a proposal to the Agency for its agreement within one month of the incident occurring to:
 - i) identify and put in place measures to avoid reoccurrence of the incident; and
 - ii) identify and put in place any other appropriate remedial action.
- 9.2. The licensee shall, prior to the date of commencement of the waste activities at the facility, 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;

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 collection permit 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; and,
 - 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,
 - 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:
- date and time of the complaint;
 - the name of the complainant;
 - details of the nature of the complaint;
 - actions taken on foot of the complaint and the results of such actions; and,

- e) the response made to each complainant.
- 10.5 A written record shall be kept for each load of waste departing from the Civic Waste Facility.
- 10.6 A written record shall be kept at the facility of the programme for the control and eradication of vermin and fly infestations at the facility. These records shall include as a minimum the following:
- a) the date and time during which spraying of insecticide is carried out;
 - b) contractor details;
 - c) contractor logs and site inspection reports;
 - d) details of the rodenticide(s) and insecticide(s) used;
 - e) operator training details;
 - f) details of any infestations;
 - g) mode, frequency, location and quantity of application; and,
 - h) measures to contain sprays within the facility boundary.

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

CONDITION 11 REPORTS AND NOTIFICATIONS

- 11.1 Unless otherwise agreed by the Agency, all reports and notifications submitted to the Agency shall:
- a) be sent to the Agency's headquarters;
 - b) comprise one original and three copies unless additional copies are required;
 - c) be formatted in accordance with any written instruction or guidance issued by the Agency;
 - d) include whatever information as is specified in writing by the Agency;
 - e) be identified by a unique code, indicate any modification or amendment, and be correctly dated to reflect any such modification or amendment;
 - f) be submitted in accordance to the relevant reporting frequencies specified by this licence, such as in Schedule E;
 - g) be accompanied by a written interpretation setting out their significance in the case of all monitoring data; and
 - h) be transferred electronically to the Agency's computer system if required by the Agency.
- 11.2 In the event of an incident occurring on the facility, the licensee shall:
- a) notify the Agency as soon as practicable and in any case not later than 10.00 am the following working day after the occurrence of any incident;
 - b) submit a written record of the incident, including all aspects described in Condition 9.1(a-e), to the Agency as soon as practicable and in any case within five working days after the occurrence of any incident; and

- c) in the event of any incident which relates to discharges to surface/sewer water, notify the Shannon Regional Fisheries Board as soon as practicable and in any case not later than 10:00am on the following working day after such an incident.
- d) Should any further actions be taken as a result of an incident occurring, the licensee shall forward a written report of those actions to the Agency as soon as practicable and no later than ten days after the initiation of those actions.

11.3 Waste Recovery Reports

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

- a) proposals for the contribution of the facility to the achievement of targets for the reduction of biodegradable waste to landfill as specified in the Landfill Directive;
- b) the separation of recyclable materials from the waste;
- c) the recovery of Construction and Demolition Waste;
- d) the recovery of metal waste and white goods including written procedures for the de-gassing of CFC's from refrigerators;
- e) the recovery of commercial waste, including cardboard;

11.4 Monitoring Locations

11.4.1. Prior to the date of commencement of the waste activities at the facility, the licensee shall submit to the Agency an appropriately scaled drawing(s) showing all the monitoring locations that are stipulated in this licence. The drawing(s) shall include the reference code of each monitoring point.

11.5 Annual Environmental Report

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

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

REASON: *To provide for proper reporting and notification of the Agency.*

CONDITION 12 CHARGES AND FINANCIAL PROVISIONS

12.1 Agency Charges

12.1.1 The licensee shall pay to the Agency an annual contribution of €9,129 or such sum as the Agency from time to time determines, towards the cost of monitoring the activity or otherwise in performing any functions in relation to the activity, as the Agency considers necessary for the performance of its functions under the Waste Management Act, 1996. The licensee shall in 2003 and subsequent years, not later than January 31

of each year, pay to the Agency this amount updated in accordance with changes in the Public Sector Average Earnings Index from the date of the licence to the renewal date. The updated amount shall be notified to the licensee by the Agency. For 2002, the licensee shall pay a pro rata amount from the date of this licence to 31st December. This amount shall be paid to the Agency within one month of the date of grant of this licence.

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

12.2 Financial Provision for Closure, Restoration and Aftercare

12.2.1 The licensee shall arrange for the completion of a comprehensive and fully costed Environmental Liabilities Risk Assessment for the facility which will address liabilities arising from the carrying on of the activities to which this licence relates. A report on this assessment shall be submitted to the Agency for its agreement within six months of date of grant of this licence.

12.2.2 Within nine months of the date of grant of this licence, the licensee shall make a Proposal for Financial Provision to the Agency for its agreement to cover any liabilities incurred by the licensee in carrying on the activities to which this licence relates. Such provision shall be maintained by the licensee unless otherwise agreed by the Agency.

12.2.3 The amount of financial provision, held under condition 12.2.2 shall be reviewed and revised as necessary, but at least annually. Any proposal for such a revision shall be submitted to the Agency for its agreement.

12.2.4 The licensee shall within two weeks of purchase, renewal or revision of the financial provision required under condition 12.2.2, forward to the Agency written proof of such indemnity.

12.2.5 Unless otherwise agreed any revision to the fund shall be computed using the following formula:

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

Where:

Cost = Revised restoration and aftercare cost

ECOST = Existing restoration and aftercare cost

WPI = Appropriate Wholesale Price Index [Capital Goods, Building & Construction (i.e. Materials & Wages) Index], as published by the Central Statistics Office, for the year since last closure calculation/revision.

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

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

SCHEDULE A : Waste Acceptance

A.1 Waste Acceptance

Table A.1 Waste Categories and Quantities

WASTE TYPE	MAXIMUM (TONNES PER ANNUM)
Household	3,500
Commercial	4,500
Non-hazardous Industrial Waste	10,600
Construction and Demolition Waste	1,100
TOTAL	19,700

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 surface and waste water drainage networks including shut off valves and associated storage capacity for waste/surface water

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 ² /day) ^{Note 1}
350

Note 1: 30 day composite sample with the results expressed as mg/m²/day.

C.3 Emission Limits For Dust Abatement System (where required): Measured at a point to be agreed with the Agency.

Total Particulates	50mg/m ³

C.4 Surface Water Discharge Limits
Measured at monitoring point D-1 as per Table D.1.1

Mineral Oils	5mg/l

C.5 Emission Limits for Waste Water Emissions to Sewer

Emission Point Reference No. FW-1
Volume to be emitted: Maximum in any one day: 5 m³

Parameter	Emission Limit Value	
	Grab Sample (mg/l)	Daily Mean Loading (kg/day)
BOD	350	1.75
COD	500	2.5
Suspended solids	300	1.5
PH	6-8	-
Temperature	Ambient	-
Phosphates (Total)	2	0.01

SCHEDULE D : Monitoring

Monitoring to be carried out as specified below.

D.1 Monitoring Locations

Monitoring locations shall be those as set out in Table D.1.1 and attachment J of the application.

Table D.1.1 Noise, surface water and waste water Monitoring Locations

NOISE STATIONS ^{*Note1}	SURFACE WATER STATIONS ^{*Note2}	WASTE WATER STATIONS ^{*Note3}	DUST LOCATIONS ^{*Note4}
N1	SD-1	FW-1	D1
N5	SW1		D2
N6	SW2		D3
N7			

Note 1: Locations as per Figure C.8.1 of the application.

Note 2: SD-1 – Surface water discharge point to be agreed with the Agency, SW1 and SW2 as per Figure C.9.2 of the application

Note 3: To be agreed in advance with the Agency

Note 4: To be agreed in advance with the Agency

D.2 Dust Deposition

Table D.2.1 Dust Deposition Monitoring Frequency and Technique

Parameter (mg/m ² /day)	Monitoring Frequency	Analysis Method/Technique
Dust	Three times a year ^{Note 2}	Standard Method ^{Note 1}

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 Particulate Emissions (where relevant)

Table D.3.1 Particulate Emissions Monitoring Frequency and Technique

Parameter	Monitoring Frequency	Analysis Method/Technique
Total Particulates	Annually	Isokinetic/Gravimetric

D.4 Noise

Table D.4.1 Noise Monitoring Frequency and Technique

Parameter	Monitoring Frequency	Analysis Method/Technique
L(A) _{EQ} [30 minutes]	Annual	Standard ^{Note 1}
L(A) ₁₀ [30 minutes]	Annual	Standard ^{Note 1}
L(A) ₉₀ [30 minutes]	Annual	Standard ^{Note 1}
Frequency Analysis (1/3 Octave band analysis)	Annual	Standard ^{Note 1}

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

D.5 Surface Water Emissions

Table D.5.1 Surface water Monitoring Frequency and Techniques

Parameter	Monitoring Frequency	Analysis Method/Technique
PH	Quarterly	Electrometry
Biological Oxygen Demand	Quarterly	Standard Methods ^{Note 1}
Suspended Solids	Quarterly	Standard Methods ^{Note 1}
Mineral Oils	Quarterly	Standard Methods ^{Note 1}

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

D.6 Waste water Emissions

Table D.6.1 Waste water Monitoring Frequency and Techniques

Parameter	Monitoring Frequency	Analysis Method/Technique
PH	Quarterly	Electrometry
Biological Oxygen Demand	Quarterly	Standard Methods ^{Note 1}
Chemical Oxygen Demand	Quarterly	Standard Methods ^{Note 1}
Suspended Solids	Quarterly	Standard Methods ^{Note 1}
Temperature	Quarterly	Temperature probe
Flow	Daily	^{Note 2}

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: Flow to sewer to be monitored on a daily basis by metering the volume of water used at the facility on a daily basis.

SCHEDULE E : Recording and Reporting to the Agency

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

Note 1: Unless altered at the request of the Agency

SCHEDULE F : Content of the Annual Environmental Report

Annual Environmental Report Content

Reporting Period.

Waste activities carried out at the facility.

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

Summary report on emissions

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

Resource and energy consumption summary.

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.

Signed on behalf of the said Agency

on the 23rd day of April 2002

B. Sheehan **Authorised Person**

INSPECTORS REPORT

WASTE LICENCE REGISTER NUMBER 163-1

Bergin Waste Disposal Ltd, Fairymount, Castlerea, Co. Roscommon.

Recommendation: The recommended proposed decision as submitted to the Board be approved

(1) Introduction:

Bergin Waste Disposal Ltd. have applied to operate a non-hazardous waste transfer station/recycling facility at Ballaghaderreen Industrial Estate, Ballaghaderreen, Co. Roscommon. The proposed site (c.0.4ha) is located at the end of a cul de sac to the south of the industrial estate which is located approximately 350m off the N5 (Dublin-Castlebar) on the western side of Ballaghaderreen Town. The site is serviced with electricity and a sewer line which is under the control of Roscommon Co. Co.. The monitoring requirements and emission limits values for discharges to sewer as included in the recommended proposed decision reflect the contents of the Section 52 reply as received from Roscommon Co. Co.. **A plan showing the location of the facility to which the application relates is provided in Appendix 1.**

The applicant has completed some preparatory works at the facility (e.g building framework, sheeting, site surfacing). The roof of the facility is visually obvious from most vantage points in the area but the yard area is well screened by the network of hedgerows that exist around the facility. Planning permission was granted in 1997 for the construction of the transfer/recycling facility. The planning restricts the annual tonnage and composition of waste to be accepted at the facility, these being 10,000 tonnes and a minimum of 75% recyclable material respectively. The recommended proposed decision requires that the infrastructure provided for be in place prior to the acceptance of waste at the facility. The closest private residence to the facility is ~135m north of the proposed facility. There are a number of small scale production industries located in the industrial estate.

The applicant proposes that approximately 9,900 tonnes of waste will be accepted at the facility during the first year of operation, rising to 19,700 tonnes after 5 years. The main waste types to be accepted at the facility are Industrial and Commercial Wastes (77%), Household Waste (18%) and Construction and Demolition Waste (5%). The applicant proposes to house all waste processing equipment in a purpose built building (720m²). The applicant operates skip hire and household waste collection services in the Roscommon-Mayo-Sligo area and the majority of wastes to be accepted at the facility will originate from the applicant's own waste collection service.

The applicant proposes to recycle the following waste streams at the facility; paper, plastic, glass, metal, textiles, wood and other inert construction & demolition wastes. A picking line will be provided at the facility to increase the amount of recyclable waste which will can be segregated from the incoming commingled waste streams. Larger recyclable items in the construction and demolition waste streams will be segregated by means of a mechanical grab.

The hours of waste acceptance and facility operation as per Condition 1 of the recommended proposed decision are as applied for in the waste licence application.

Quantity of waste to be accepted (tpa)	19,700
Environmental Impact Statement Required	No
Number of Submissions Received	1

SITE VISITS:

DATE	PURPOSE	PERSONNEL
21/09/01	Site Familiarisation & Site notice Check	Kealan Reynolds
13/11/01	Revised Site Notice Check	Kealan Reynolds

(2) Facility Development

The building proposed is designed for floor tipping and handling of waste and for the housing of waste handling/processing equipment. Commingled wastes will be tipped onto the floor of the building and where suitable it will be passed along the picking line where the recyclable fraction will be removed. The waste destined for landfill will be loaded into trailers which will be located in a dedicated loading area that has entrance/exit points separated from the main building. The applicant proposes to provide a shredder, baler and picking line for processing the recyclable fraction of the incoming waste stream.

Waste storage bays for the storage of source segregated glass and other baled recyclables will be provided outside the main building. All waste with the exception of segregated construction and demolition waste, segregated glass, baled paper, cardboard and plastic will be stored indoors.

The recommended proposed decision provides for the installation of a Civic Waste Facility. The applicant indicated in the waste licence application that such facility may be provided in the future but that it will not be installed in the immediate future.

The recommended proposed decision requires the applicant to provide a weighbridge, site office and vehicle wash at the facility as per Condition 3. The recommended proposed decision also requires that the existing hedgerow be maintained where possible and that further planting be completed where required as per Condition 5.10. The applicant is required to provide security fencing and gates as per the proposals included in the waste licence application. The applicant proposes that a Civic Waste Facility may be installed at the facility in the future and this is provided for in the recommended proposed decision.

The proposed facility is serviced by a sewer line and the applicant is required to install the associated drainage system to ensure all foul waters drain to the sewer and also to provide a suitable location for the monitoring of the foul effluent. The recommended proposed decision requires that adequate surfacing be provided at the proposed facility and that a surface water network including a silt trap and oil interceptor is provided. Shut-off valves are to be installed on both the surface and foul water systems.

(3) Waste Types and Quantities

The applicant has predicted that 9,900 tonnes of waste will be accepted during the first year of operation and based on an annual growth of 15% per annum a maximum tonnage of 19,700 tonnes will be accepted after 5 years. Condition 3.9 of the recommended proposed decision requires the applicant to provide adequate waste handling/processing capacity on an ongoing basis.

(4) Emissions to Air

Possible emissions to air from the proposed facility include odour, noise and dust.

Dust/Odour: Condition 7.4 of the recommended proposed decision requires the applicant to install dust/odour control systems and assess the need for the installation of a negative pressure system after six months of operation. In the case of a negative pressure system and associated dust extraction being installed, a dust emission limit shall apply to the emission point as per Schedule C.3 of the recommended proposed decision.

The applicant will be precluded from storing waste for disposal at the facility for longer than 72 hours. Any wastes for disposal stored overnight shall be in covered containers inside the transfer building. In addition it is required that the applicant clear the floor of all waste at the end of the working day. Condition 5.3.2 of the recommended proposed decision requires that all waste handling/processing equipment be cleaned on a weekly basis to remove all potentially odorous waste debris.

Noise: The recommended proposed decision precludes the applicant from operating beyond daytime hours and also there shall be no clearly audible tonal component or impulsive component in the noise emissions from the activity at noise sensitive locations. Schedule D requires the applicant to complete noise monitoring on an annual basis.

(5) Emissions to Groundwater

There will be no emissions to groundwater from the licensed activities. All of the site shall be paved and all waste storage areas shall be impermeable hardstand. Fuel storage tanks are required to be bunded in accordance with Condition 3.12.

(6) Emissions to Surface Waters

There will be two surface water discharges from the facility: (i) all roof waters will be discharge directly to surface water and (ii) all surface water from the yard areas will be discharged to surface water having passed through a Class I oil interceptor and associated silt trap. The receiving surface water body is a minor stream, which flows from west to east along the southern boundary of the facility and enters the River Lung approximately 3km east of the facility. The recommended proposed decision requires that the surface water monitoring as per Schedule D. Monitoring will also be carried out on the receiving surface water body upstream and downstream of the facility.

(7) Other Significant Environmental Impacts of the Development

None

(8) Waste Management, Air Quality and Water Quality Plans

The Waste Management Plan for the Connaught Region as adopted in 2001 provides for a construction and demolition waste recovery facility and a waste recycling centre in the Ballaghaderreen area. Whilst the proposed facility is neither purely a construction and demolition recycling centre or a waste recycling centre both of these are elements of the proposed facility as a whole. Consideration was also given to the contents and recommendations contained in the Water Quality Management plan for the Upper Shannon Catchment.

(9) Submissions/Complaints

1 valid submission was received in relation to the waste licence application.

Submission received from the Western Health Board on 17/12/01

The Western Health Board recommended in their submission that a waste licence for the facility should be refused as the applicant does not have planning permission to hold the range of waste types included in the waste licence application.

Response

The issue of planning permission is a matter for the Local Authority which is in this case Roscommon Co Co.. A waste licence does not negate the licensee's statutory obligations or requirements under the Planning Code or any other enactments or regulations.

Signed _____

Dated:

Kealan Reynolds
Inspector, Environmental Management & Planning

**APPENDIX 1
LOCATION MAP & LAYOUT PLAN**

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EPA Licence No: 163 - 1
 Waste Collection Permit No: CW 028
 VAT No: IE 8288637F

*Industrial Estate
 Ballaghaderreen,
 Co Roscommon*

TEL: 094 9860807 FAX: 094 9860814
 Email: bwd@eircom.net

Johnathon Derham
 Licensing & Guidance
 Environmental Protection Agency
 PO Box 3000
 Johnstown Castle Estate
 Co. Wexford

13 APR 2006

12/4/06

RE: Application for a Technical Amendment to an existing waste licence, (ref. no. 163-1)

Dear Mr. Derham,

Further to my phonecall to EPA inspector for Bergin Waste (Kealan Reynolds) today, he advised me to get in contact with you.

I have enclosed an application for a technical amendment of Bergin's Waste Licence existing waste licence 163-1, to extend the boundary to include land adjacent to Bergin's current waste licensed facility. The application comprises of a description of the proposed changes, plus a site plan detailing the existing site boundary, and the new site boundary.

I hope this information is to your satisfaction. If you have further queries, please don't hesitate to contact me directly at (086) 0533700

Yours sincerely,

Fida A. Farrell, B.Sc., AIEMA
 For & on behalf of Bergin Waste Disposal Ltd.



Bergin Waste Disposal Ltd.
 Directors: Sean Bergin, Loretta Bergin
 Registered in Ireland No: 288637



Application for a Technical Amendment to Bergin Waste
Disposal's existing waste licensed facility 163-1

Date: 12/4/06

Nature of Request:

Bergin Waste Disposal Ltd. hereby request that a technical amendment be made to Bergin's waste licence (ref. no. 163-1), to extend the site's boundaries.

Description of Site:

In 2005 Bergin's acquired approximately 2.5 acres of land immediately adjoining their existing facility.

Location of Site:

The additional site is located immediately adjacent to the existing facility, and is located in an Industrial Estate. An outline of the existing site (in red) and proposed new site (in blue) is included in the two site plans attached.

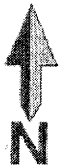
Reason for Site Expansion:

Bergin's Facility is an important facility in terms of complying with the requirements of the Connaught Waste Management Plan. It is one of only 5 waste transfer facilities in the region. Bergin provided waste and recycling services to most of Roscommon, & Sligo, as well as parts of Leitrim, Mayo, and Galway. The Review of the Connaught Waste Management Plan, prepared in 2004, states that "an adequate network of facilities for recovery and transfer of waste will be provided. This will be achieved by encouraging the private sector to provide and expand such facilities".

Bergin's have been continually updating and improving their waste and recycling handling capacity (in line with the Connaught Waste Management Plan) through the introduction of new plant, infrastructure and buildings. Using the adjacent facility for the storage of skips, waste & private vehicles will improve capacity and facilitate better utilisation of the existing facility for waste management and recycling.

Plans for New Site:

The new site will be utilised for the storage of skips, waste vehicles and private vehicles. In addition, at a later stage (6 months - one year) this facility is expected to be utilised for construction of additional buildings, to improve recycling infrastructure and storage. Additional information will be submitted to the EPA, when this arises.



KNOCKANACONNY




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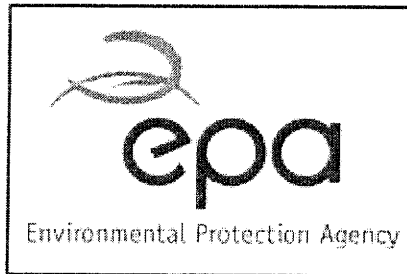
Ballaghaderreen
 Industrial Estate

Ballaghaderreen
 Industrial Estate

Convent Stream

LEGEND

-  Site Boundary
-  Commercial/Industrial Building
-  Private Dwelling



You are here: [Home](#) > [What we do](#) > [Licensing & Permitting](#) > [Waste Licensing & Permitting](#) > [Waste Licence Search](#)

Licence Details

Details of Application

Reg No.	W0163-01
Applicant Name:	Bergin Waste Disposal Ltd
Facility Name:	Bergin Waste Disposal Ltd
Location of Facility:	Ballaghaderreen Industrial Estate, Ballaghaderreen, Co. Roscommon, Roscommon.
Type of Facility:	Waste Transfer Station
Principal Class of Activity:	3.11
Description of Principal Class of Activity:	Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.
Other Classes of Activity (more about classes of activity)	3.12,3.13,4.2,4.3,4.4,4.11,4.13
Application Date:	5/09/2001
Licence Status:	Licensed
Latest licence for this facility:	Reg No. W0163-01

Decision Details:

Proposed Decision issued date:	23/04/2002
Closing date for objections to Proposed Decision:	20/05/2002
Final Decision issued date:	24/05/2002

Documents

To view electronic documents (if any) for this application, click on the buttons below. These open in a new window. All documents available in electronic format are presented as Adobe Acrobat PDF files. If you have any problems opening or displaying a document in your browser, right-click on

the file and save it to your computer.

- [View applicant documents](#)
- [View EPA documents](#)
- [View Third Party documents](#)
- [View Miscellaneous documents](#)

[More information on the licensing process](#)

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

WASTE LICENCE
TECHNICAL AMENDMENT A

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Licence Register Number:	163-1
Licensee:	Bergin Waste Disposal Limited
Location of Facility:	Ballaghaderreen Industrial Estate, Ballaghaderreen, Co. Roscommon.

Reasons for the Decision

The Environmental Protection Agency (the Agency) is satisfied, on the basis of the information available, that subject to compliance with the conditions of licence Reg. No. 163-1 granted on the 24th May 2002, as well as any amendments noted herein any emissions from the activity will comply with and not contravene any of the requirements of Section 40(4) of the Waste Management Acts 1996 to 2005.

Technical Amendment

In pursuance of the powers conferred on it by Section 42B(1)(c) of the Waste Management Acts 1996 to 2005, the Agency amends Licence Reg. No. 163-1, granted to Bergin Waste Disposal Limited, Ballaghaderreen Industrial Estate, Ballaghaderreen, County Roscommon.

Henceforth, Waste Licence Register No. 163-1 (granted 24/05/2002) shall be read in conjunction with the amendments set out below.

This technical amendment is limited to the following conditions of Licence Reg. No. 163-1:

Condition 1.2 is replaced by the following:

- 1.2 For the purposes of this licence, the facility authorised by this licence, is the area of land outlined in red and blue on Ordnance Survey Map Extract dated 20/11/2000 (scale 1:2500) submitted as part of the technical amendment application received on 13/04/06. Any reference in this licence to "facility" shall mean the area thus outlined in red and blue colour. The licensed activities shall be the carried on only within the area outlined.

The following condition is inserted after Condition 5.10:

- 5.11 The north-eastern area outlined in blue on the Ordnance Survey Map Extract dated 20/11/2000 (scale 1:2500) submitted as part of the technical amendment application received on 13/04/06 shall be used only for the parking of empty vehicles and storage of empty skips, or as otherwise approved in writing by the Agency. No waste shall be processed or stored in this area.

This technical amendment shall be cited as Amendment A to Waste Licence Reg. No. 163-1 which was granted on 24th May 2002 (shorthand: 163-1/A).

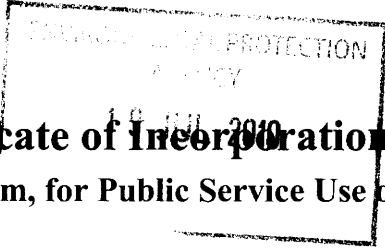
Sealed by the seal of the Agency on this the 24th day of May 2006.

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

Dr. Padraic Larkin, Director

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ATTACHMENT (B)



Short Certificate of Incorporation of a Company (Electronic Form, for Public Service Use only)

I hereby certify

that company number 141912, BRUSCAR BHEARNA TEORANTA, was Incorporated under the Companies Acts, 1963 to 1986, as a Limited Company on Wednesday, the 22nd day of March, 1989.

Certified by me at Dublin, this Thursday, the 30th day of April, 2009,

(32AB4)

Registrar of Companies

Paul Farrell

Companies Act 1963, section 370(1); Electronic Commerce Act 2000, sections 12 and 13

Note

The above certificate of incorporation is furnished free of charge by the registrar of companies and is valid solely for public service use. A process has been put in place whereby, where necessary, the certificate may be verified by a public service body on inquiry to the registrar.

The applicant for any public service who is required to produce a certificate of incorporation must certify below that the certificate has not been tampered with in any way. The certificate shall be retained by the public service organisation that requires its delivery and may be used as evidence of any wrongful use.

I, (name)

of (address)

hereby declare that this is one and the same as the Certificate of Incorporation of the above company that was made available electronically, for public service use, at my request, by the registrar of companies. I further declare that to the best of my knowledge, information and belief, the said Certificate has not been altered or amended in any way. I acknowledge that it is a criminal offence to forge a public document with intent to defraud or deceive, and that it is an offence to utter a forged document with intent to defraud or deceive, in each case punishable with imprisonment for a term not exceeding two years.

I make this Declaration for the benefit of

(name of public body)

to whom I am furnishing the Certificate.

Signature of Applicant Date

Forgery Act 1913, section 4 and 6

BARNA WASTE

E.P.A. Licenced Recycling Facility

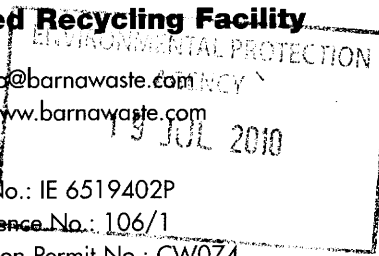
RECYCLING DEPOT:

Carrowbrowne,
Headford Road, Galway.
Tel.: 091-771619.
Fax: 091-771735.

Email: info@barnawaste.com
Website: www.barnawaste.com

V.A.T. No.: IE 6519402P
EPA Licence No.: 106/1

Waste Collection Permit No.: CW074



REGISTERED OFFICE:

Derryloughane East,
Spiddal, Co. Galway.
Tel.: 091-553491.
Fax: 091-553402.

ATTACHMENT B

Confirmation of the registered company address of Bruscar Bhearna Teoranta Barna Waste t/a Barna Waste is as follows:

Barna Waste
Carrowbrowne
Headford Road
Galway
Ireland

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Contact details for the registered office as follows:

Phone: 091-771619
Fax: 091-771735
E-Mail: cfinnie@barnawaste.com
Website: www.barnawaste.com

Page 1 of 1



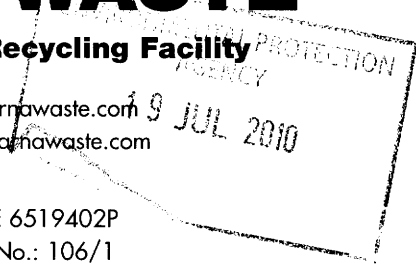
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Waste Collection Permit No.: CW074



REGISTERED OFFICE:
Derryloughane East,
Spiddal, Co. Galway.
Tel.: 091-553491.
Fax: 091-553402.

ATTACHMENT C

1. This document is confirmation that Bruscar Bhearna Teoranta Barna Waste t/a Barna Waste have no convictions in relation to Environmental issues during the history of our company either under the PoE Act, the Waste Management Act 1996, the Local Government (Water Pollution) Acts 1977 and 1990 or the Air Pollution Act 1987.

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ENVIRONMENTAL PROTECTION
AGENCY
19 JUL 2010
ATTACHMENT C

1. This document is confirmation that Bruscar Bhearna Teoranta t/a Barna Waste have no convictions in relation to Environmental issues during the history of our company either under the PoE Act, the Waste Management Act 1996, the Local Government (Water Pollution) Acts 1977 and 1990 or the Air Pollution Act 1987.
2. Our Managing Director Mr Sean Curran set-up Barna Waste in 1993 and since then has built the company to how it is today. In that time Sean has gained all the experience necessary to operate a waste transfer station of any scale. Sean has completed the FAS waste management course successfully. In his time managing Barna Waste Sean has gained experience in all aspects of waste management including the collection phase, transport of waste, acceptance and processing of waste, systems for separating processing waste, the importance of good end markets and this is supported by the facility he has build in Carrowbrowne, Galway. Sean has ensured the company have the best technology and up to date equipment on site to allow us to accept and process the waste streams in the large volumes that we do on site. The collection methods and the processes currently being carried out on site have been designed by Sean himself including the civic amenity site, timber shredding, construction & demolition waste sorting and the picking station for the sorting of dry mixed recyclables. Sean is constantly refreshing his knowledge of the latest technologies by reading industry literature and keeping in touch with the companies designing the new technologies within the industry. Sean is very technically minded and would have more than a basic understanding of all the waste processing technologies and methods currently available and operating any company within this industry would not be a problem to him. Sean is supported by a Management Team who have been with him now for several years Padhraic Noone (Financial Controller) 7 years with the company, Campbell Finnie (Facility Manager) who has also completed the FAS Waste Management Course is with the company 6.5 years, Cormac O'Donnell (Transport Manager) who is with the company for 4.5 years, Damien Monaghan (Operations Manager) who is 2 years with the company and we have also recently hired Julia Clibbens to be our Human Resources Manager. In relation to the site in Ballaghaderreen formerly Bergin Waste Disposal, Barna Waste has hired John Langan to be the Site Manager at this facility. John was Managing Director of Langan Skip Hire based in Co Mayo since 2000 and was acquired by us during 2008 to work at the Bergin site. John has 8 years of experience managing his own collection company and previously worked for 6 years in the UK at a licenced landfill facility giving him a wide knowledge of the industry. This overview should provide confirmation that Sean with over 15 years experience in the waste industry has the ability and knowledge to manage these two new facilities and that he is supported by a strong management team to assist with the operation of the sites.

Bergin Waste Disposal Site in Ballaghaderreen, Co Roscommon

In relation to Bergin Waste Disposal Limited the following applies. Bruscar Bhearna Teo. has taken over the assets and customers of this company and is effectively operating it since December 2008. Though the legalities are not yet finalised, we are effectively in charge of operations at the facility since then. Sean Bergin is no longer part of the structure at this site.

Bama Waste has hired John Langan to be the Operations Manager at this site. John was Managing Director of Langan Skip Hire based in Co Mayo since 2000 and was acquired by us during 2008 to work at the Bergin site. John has 8 years of experience managing his own collection company and previously worked for 6 years in the UK at a licenced landfill facility giving him a wide knowledge of the industry. John is supported at the site by Ann Clarke who will be working as the Facility Manager. Ann already has experience of being a Facility Manager over the past couple of years working at the Joe McLoughlin Site in Co Leitrim which is also an EPA licenced facility. Ann will share time between both of these sites from now on. Ann has almost 3 years experience in the waste business and has also completed the FAS Waste Management Course to level 6 qualification as required. Ann will be responsible for ensuring overall compliance with our waste licence. Sean and Annette Curran are the Managing Directors of Bama Waste and Sean himself would be the 24 hour contact for all of our facilities where required.

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BARNA WASTE

E.P.A. Licenced Recycling Facility

Email: info@barnawaste.com
Website: www.barnawaste.com

V.A.T. No.: IE 6519402P
EPA Licence No.: 106/1
Waste Collection Permit No.: CW074

RECYCLING DEPOT:

Carrowbrowne,
Headford Road, Galway.
Tel.: 091-771619.
Fax: 091-771735.

REGISTERED OFFICE:

Derryloughane East,
Spiddal, Co. Galway.
Tel.: 091-553491.
Fax: 091-553402.

ATTACHMENT C

8. Confirmation of Financial Stability

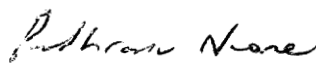
30th June, 2009

TO WHOM IT MAY CONCERN

Bruscar Bhearna Teo. t/a Barna Waste (Company No. 141912) has traded successfully for the past 20 years and has grown significantly in the past few years. Notwithstanding the challenges due to the downturn in the economy, we confirm that the company has sufficient reserves to meet its debts.

If required, independent confirmation can be sought from the company's bankers and auditors.

Yours faithfully,



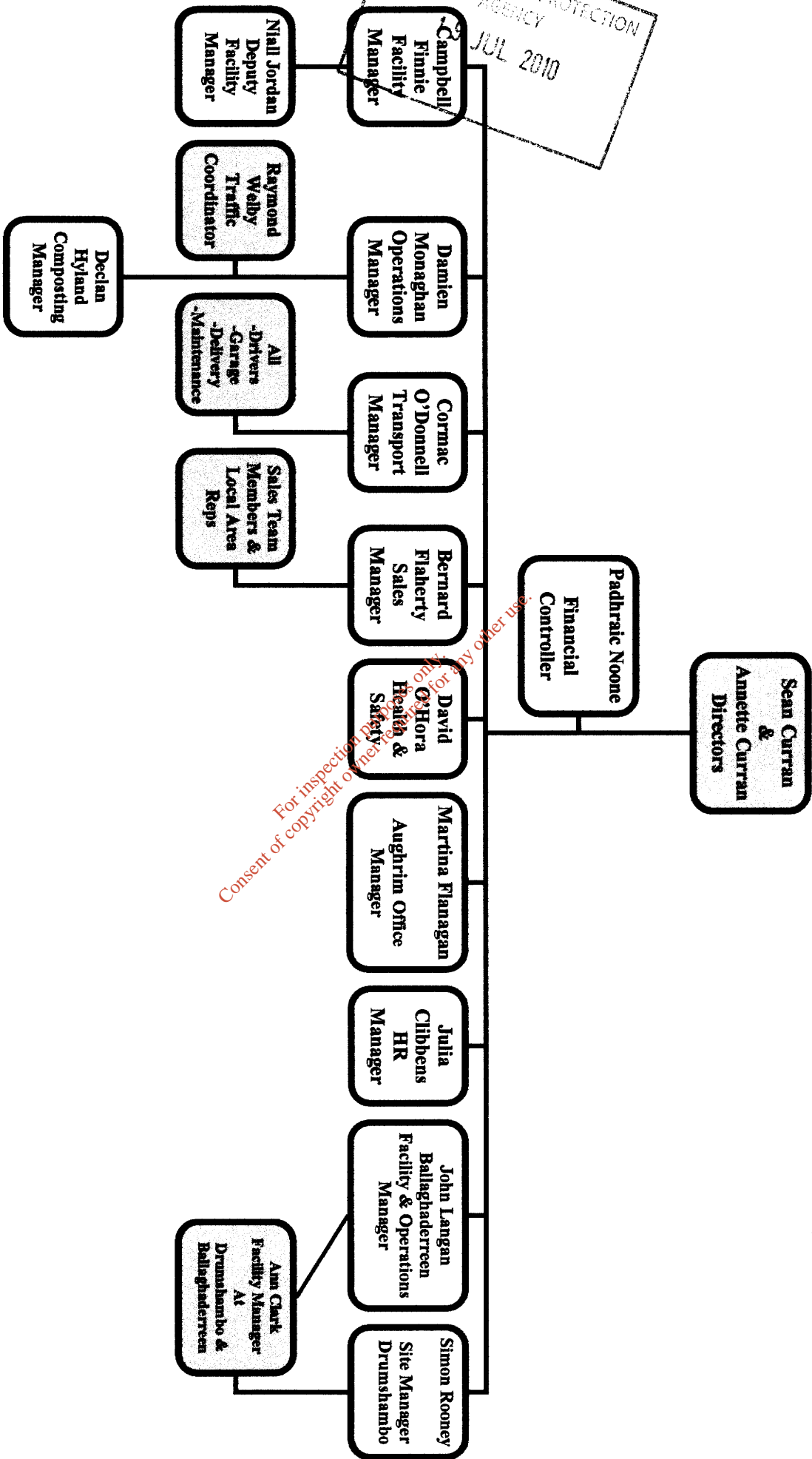
Padhraic Noone

Financial Controller



BARNA WASTE

Company Management Structure



ENVIRONMENTAL PROTECTION
AGENCY
JUL 2010

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BW-OPS-001
REV 14
18/05/2010

BARNA WASTE

E.P.A. Licenced Recycling Facility

RECYCLING DEPOT:
Carrowbrowne,
Headford Road, Galway.
Tel.: 091-771619.
Fax: 091-771735.

Email: info@barnawaste.com
Website: www.barnawaste.com

V.A.T. No.: IE 6519402P
EPA Licence No.: 106/1
Waste Collection Permit No.: CW074

REGISTERED OFFICE:
Derryloughane East,
Spiddal, Co. Galway.
Tel.: 091-553491.
Fax: 091-553402.

ATTACHMENT D

I can confirm that I Mr Sean Curran, Managing Director of Bruscar Bhearna Teo t/a Barna Waste have assumed responsibility and accept all liabilities, requirements and obligations provided under the licence regardless of how and in respect of what period prior to the transfer of the licence they may arise.

Sean Curran

Sean Curran
Managing Director

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BARNA WASTE

E.P.A. Licenced Recycling Facility

RECYCLING DEPOT:
Carrowbrowne,
Headford Road, Galway.
Tel.: 091-771619.
Fax: 091-771735.

Email: info@barnawaste.com
Website: www.barnawaste.com

V.A.T. No.: IE 6519402P
EPA Licence No.: 106/1
Waste Collection Permit No.: CW074

REGISTERED OFFICE:
Derryloughane East,
Spiddal, Co. Galway.
Tel.: 091-553491.
Fax: 091-553402.

ATTACHMENT E

Refer to attached copy of waste licence number 106-2 which has been issued to Barna Waste after a successful application by Managing Director Sean Curran. This licence operates our facility in Carrowbrowne, Headford Road, Galway and is currently the only EPA licence being operated by the company.

No licence applications submitted in the company's name have ever been rejected.

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INTRODUCTION

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

This licence is for the continued operation and development of a non-hazardous waste transfer facility at Carrowbrowne, Headford Road, Galway. Brúscar Bhearna Teoranta (Barna Waste) will be permitted to accept non-hazardous municipal, industrial, commercial and industrial, construction and demolition and organic wastes at this facility.

The maximum quantity of waste to be accepted at this facility is limited to 166,000 tonnes per annum. The licence provides for the construction of a new building within which a composting unit and construction and demolition waste recovery area will be located. The composting unit can accept a maximum of 40,000 tonnes of biowaste per annum and all composting will take place in fully enclosed aisles with the air emissions from the composting process being treated prior to discharge to the atmosphere. The construction and demolition waste recovery area will also be provided within the new building. A civic waste facility shall also be provided at the facility.

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

The licence sets out in detail the conditions under which Brúscar Bhearna Teoranta will operate and manage this facility.

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DECISION & REASONS FOR THE DECISION

Reasons for the decision

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

In reaching this decision the Agency has considered the application and supporting documentation received from the applicant, all submissions received from other parties and the report of its inspector. No objection having been received to the proposed decision, the licence is granted in accordance with the terms of the proposed decision and the reasons therefor.

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 Brúscar Bhearna Teoranta to carry on the waste activities listed below at Carrowbrowne, Headford Road, Galway 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 11.	Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule. This activity is limited to the bulking and mixing of waste for disposal
Class 12.	Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule. This activity is limited to the repackaging and bulking of waste for disposal
Class 13.	Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned was produced. This activity is limited to the storage of waste at the facility prior to disposal

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

Class 2.	Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes): This activity is limited to the composting of biodegradable waste at the facility and the recovery of other organic wastes (e.g. timber shredding)
Class 3.	Recycling or reclamation of metals and metal compounds: This activity is limited to the recovery of metals at the facility
Class 4.	Recycling or reclamation of other inorganic materials: This activity is limited to the recovery of construction and demolition waste at the facility
Class 12.	Exchange of waste for submission to any activity referred to in a preceding paragraph of this Schedule: This activity is limited to the exchange of waste for recovery

Class 13. 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:

This activity is limited to the storage of waste at the facility prior to removal off-site for recovery.

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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.

Adequate lighting	20 lux measured at ground level.
Agreement	Agreement in writing.
Annually	At approximately twelve monthly intervals.
Application	The application by the licensee for this waste licence.
Appropriate facility	A waste management facility, duly authorised under relevant law and technically suitable.
Bi-annually	All or part of a period of six consecutive months.
Biodegradable waste	Any waste that is capable of undergoing anaerobic or aerobic decomposition, such as food, garden waste, food sludge, paper and paperboard.
Condition	A condition of this licence.
Consignment Note	All movements of hazardous waste within Ireland must be accompanied by a "C1" consignment note issued by a local authority under the Waste Management (Movement of Hazardous Waste) Regulations (SI No. 147 of 1998). Transfrontier shipment notification and movement/tracking form numbers are required for all exports of waste from, into or through the state under the Waste Management (Transfrontier Shipment of Waste) Regulations (SI No. 149 of 1998).
Construction and Demolition Waste	All wastes which arise from construction, renovation and demolition activities.
Containment boom	A boom which can contain spillages and prevent them from entering drains or watercourses.
Daytime	8.00 a.m. to 10.00 p.m.
Documentation	Any report, record, result, data, drawing, proposal, interpretation or other document in written or electronic form which is required by this licence.
Drawing	Any reference to a drawing or drawing number means a drawing or drawing number contained in the application, unless otherwise specified in this licence.
Emergency	Those occurrences defined in Condition 8.4.
Emission Limits	Those limits, including concentration limits and deposition levels established in <i>Schedule C: Emission Limits</i> , of this licence.
European Waste Catalogue (EWC)	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.

Wastewater	Sewage and drainage from waste transfer building, wheelwash, truck wash, ramp, weighbridges, vehicle cleaning and ejector trailer parking areas and any areas used for the processing and/or storage of waste.
Green waste	Waste wood (excluding timber), plant matter such as grass cuttings, and other vegetation.
Hours of Operation	The hours during which the facility is authorised to be operational. The hours of operation of a facility are usually longer than the hours of waste acceptance to facilitate preparatory and completion works, such as the removal and laying of daily cover. Different activities within the facility, such as the civic waste facility, may have different hours of waste acceptance.
Hours of Waste Acceptance	The hours during which the facility is authorised to accept waste. Different activities within the facility, such as the civic waste facility, may have different hours of waste acceptance.
Industrial Waste	As defined in Section 5(1) of the Act.
Inert waste	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.
Landfill Directive	Council Directive 1999/31/EC.
Licence	A Waste Licence issued in accordance with the Act.
Licensee	Brúscar Bhearna Teoranta
Liquid Waste	Any waste in liquid form and containing less than 2% dry matter. Any waste tankered to the facility.
Maintain	Keep in a fit state, including such regular inspection, servicing, calibration and repair as may be necessary to adequately perform its function.
Mobile Plant	Self-propelled machinery used for the emplacement of wastes or for the construction of specified engineering works.
Monthly	A minimum of 12 times per year, at approximately monthly intervals.
Municipal waste	As defined in Section 5(1) of the Act.
Night-time	10.00 p.m. to 8.00 a.m.
Noise Sensitive Location (NSL)	Any dwelling house, hotel or hostel, health building, educational establishment, place of worship or entertainment, or any other facility or area of high amenity which for its proper enjoyment requires the absence of noise at nuisance levels.
Oil Separator/ Interceptor	Device installed according to the draft European Standard prEN 858 (Installations for the separation of light liquids, e.g. oil and petrol).
Recyclable	Those waste types, such as cardboard, batteries, gas cylinders, etc, which

Materials	may be recycled.
Quarterly	At approximately three monthly intervals.
Sludge	The accumulation of solids resulting from chemical coagulation, flocculation and/or sedimentation after water or wastewater treatment , with between 2% and 25% dry matter.
Sanitary Authority	Galway City Council
Sample(s)	Unless the context of this licence indicates to the contrary, samples shall include measurements by electronic instruments.
Specified Emissions	Those emissions listed in <i>Schedule C: Emission Limits</i> , of this licence.
Specified Engineering Works	Those engineering works listed in <i>Schedule B: Specified Engineering Works</i> , of this licence.
Trigger Level	A parameter value specified in the licence, the achievement or exceedance of which requires certain actions to be taken by the licensee.
Wastewater	Run-off from the floor of the waste transfer & compost buildings, run-off from hardstanding areas used for the processing/storage of waste and any water that has been used, for washing, flushing or in the composting process at the facility.
Weekly	During all weeks of plant operation, and in the case of emissions, when emissions are taking place, with no more than one measurement in any one week.
White Goods	Refrigerators, cookers, ovens and other similar appliances.
EPA Working Day	Refers to the following hours; 9.00 a.m. to 5.30 p.m. Monday to Friday inclusive.

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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 Drawing No. 702140/9/17 (*Site Location map Showing Monitoring and Sampling Positions*) 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. Only those waste categories and quantities listed in *Schedule A: Waste Acceptance*, of this licence, shall be accepted at the facility.
- 1.5. No hazardous wastes, liquid wastes or sewage sludge shall be accepted at the facility.
- 1.6. Waste Acceptance and Handling Hours
 - 1.6.1. Waste Transfer Station and Composting Unit
 - 1.6.1.1. Waste shall only be accepted at the facility between the hours of 7.30am and 7.00pm Monday to Saturday inclusive.
 - 1.6.1.2. Waste shall only be handled during the hours of 7.00am to 8.00pm Monday to Saturday.
 - 1.6.1.3. Waste shall not be accepted at the transfer station or the compost facility on Sundays or Bank Holidays.
 - 1.6.2. Civic Waste Facility
 - 1.6.2.1. Wastes may be accepted at the Civic Waste Facility between the hours of 9.00am and 5.00pm seven days a week including Bank Holidays.
- 1.7. The following shall constitute an incident for the purposes of this licence:-
 - a) an emergency;
 - b) any emission which does not comply with the requirements of this licence;
 - c) any exceedance of the daily duty capacity of the waste handling equipment;
 - d) any trigger level specified in this licence which is attained or exceeded; and
 - e) any indication that environmental pollution has, or may have, taken place.
- 1.8. Where the Agency considers that a non-compliance with any condition of this licence has occurred, it may serve a notice on the licensee specifying.
 - 1.8.1. That only those wastes as specified, if any, in the notice are to be accepted at the facility after the date set down in the notice.

1.8.2. That the licensee shall undertake 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.

1.8.3. That the licensee shall carry out any other requirement specified in the notice.

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

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

1.10 This licence is being granted in substitution for the waste licence granted to the licensee on 18th December 2000 and bearing Waste Licence Register No: 106-1. The previous waste licence (Register No: 106-1) is superseded by 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 updated management structure of the facility to the Agency. Any proposed replacement in the management structure shall be notified in advance in writing to the Agency. Written details of the management structure shall include the following information.

- a) the names of all persons who are to provide the management and supervision of the waste activities authorised by the licence, in particular the name of the facility manager and any nominated deputies;

- b) details of the responsibilities for each individual named under a) above; and
- c) details of the relevant education, training and experience held by each of the persons nominated under a) above.

2.3 Environmental Management System (EMS)

2.3.1 The licensee shall maintain the EMS at the facility. 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 Within three months of the date of grant of this licence, the licensee shall establish and maintain a Communications Programme to inform and involve the local community and ensure that members of the public can obtain information at the facility, at all reasonable times, concerning the environmental performance of the facility.

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

CONDITION 3 FACILITY INFRASTRUCTURE

3.1 The licensee shall establish all infrastructure referred to in this licence as required by the conditions of this licence.

3.2 Specified Engineering Works

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

3.3 Facility Notice Board

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

3.4 Facility Security

- 3.4.1 Within six months of the date of grant of this licence, the licensee shall provide security and stockproof fencing/walls and gates along the facility boundary. The base of the fencing shall be set in the ground.
- 3.4.2 The licensee shall remedy any defect in the gates and/or fencing as follows:-
- a) a temporary repair shall be made by the end of the working day; and

- b) a repair to the standard of the original gates and/or fencing shall be undertaken within three working days.

3.5 Facility Roads and Hardstanding

- 3.5.1 Effective site roads shall be provided and maintained to ensure the safe movement of vehicles within the facility.
- 3.5.2 Within twelve months of the date of grant of this licence, all areas of the facility other than those used for landscaping shall be suitably paved. All areas where waste handling, processing or storage occurs shall be paved with an impermeable surface.
- 3.5.3 Prior to the commissioning of the Civic Waste Facility the licensee shall ensure that all areas to be used by members of the public are clearly designated and marked and that appropriate signage has been erected in the area to ensure the safe and efficient operation of the Civic Waste Facility.

3.6 Facility Office

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

3.7 Waste Inspection and Quarantine Areas

- 3.7.1 A Waste Inspection Area(s) and a Waste Quarantine Area(s) shall be provided and maintained at each building at the facility where waste is accepted.
- 3.7.2 These areas shall be constructed and maintained in a manner suitable, and be of a size appropriate, for the inspection of waste and subsequent quarantine if required. The waste inspection area and the waste quarantine area shall be clearly identified and segregated from each other.
- 3.7.3 Drainage from these areas shall be directed to the on-site wastewater collection system.

3.8 Weighbridge

- 3.8.1 Unless otherwise agreed with the Agency, the licensee shall provide and maintain the weighbridges at the facility as proposed in Drawing No. 702140/9/18 of the waste licence application.

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:-
 - a) 100% duty capacity;
 - b) 50% standby capacity available on a routine basis; and
 - c) Provision of contingency arrangements and/or back up and spares in the case of breakdown of critical equipment.

3.9.2 Prior to the treatment of biowaste at the facility, the licensee shall provide a report for the agreement of the Agency detailing the duty and standby capacity in tonnes per day, of all waste handling and processing equipment to be used at the facility. These capacities shall be based on the licensed waste intake, as per *Schedule A: Waste Acceptance*, of this licence.

3.9.3 The quantity of waste to be accepted at the facility on a daily basis shall not exceed the duty capacity of the equipment at the facility. Any exceedance of this intake shall be treated as an incident.

3.10 Wastewater Collection System

3.10.1 The licensee shall provide and maintain a wastewater collection system at the facility for the collection of wastewater arising on-site. The wastewater system shall drain into the adjoining local authority sewer-line.

3.11 Surface Water Collection System

3.11.1 The licensee shall provide and maintain a surface water collection system at the facility for the collection of surface water arising at the facility. The surface water collection system shall discharge to the receiving water located to the north of the facility via discharge point SD-1.

3.11.2 The licensee shall ensure that all roof water is collected and reused where possible. In the case where roof water is not reused it shall be discharged to the receiving water located to the north of the facility at a location to be agreed with the Agency.

3.11.3 All surface water (excluding roof water) shall pass through a silt trap and Class I interceptor prior to discharge. All interceptors shall be Class I interceptors and shall be in accordance with European Standard prEN 858 (installations for the separation of light liquids).

3.12 Tank and Drum Storage Areas

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

3.12.2 All tank and drum storage areas shall, as a minimum, be bunded, either locally or remotely, to a volume not less than the greater of the following:-

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

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

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

3.12.5 The integrity and water tightness of all the underground pipes and tanks and bunds, and their resistance to penetration by water or other materials stored therein shall be confirmed by the licensee and shall be reported to the Agency following its installation and prior to its use as a storage area. This confirmation shall be repeated at least once every three years thereafter and reported to the Agency on each occasion.

3.13 Drainage system, pipeline testing

3.13.1 The licensee shall ensure that all wastewater, sewage and surface water gullies, drainage grids and manhole covers shall be clearly marked so as to indicate which drainage

system they are part of. This marking system shall be maintained so as to be visible at all times during facility operation, and shall include any identification designated in this licence (e.g. SW1).

- 3.13.2 All drainage systems, bunds, silt traps and oil separators shall be inspected weekly, desludged as necessary and properly maintained at all times. All sludge and drainage from these operations shall be collected for safe disposal. A written record shall be kept of the inspections, desludging, cleaning, disposal of associated waste products, maintenance and performance of the interceptors, bunds and drains.

3.14 Construction and Demolition Waste Recovery Area

3.14.1 Prior to the acceptance of C&D waste, the licensee shall provide a construction and demolition area at a location to be agreed in advance with the Agency. This infrastructure shall as a minimum comprise:-

- a) A fully enclosed area consisting of an impermeable concrete slab which shall contain plant for the processing of construction and demolition wastes;
- b) A localised system for the control of dust emissions from construction and demolition waste handling plant shall be installed;
- c) Noise reduction measures such as acoustic barriers and acoustic insulation shall be installed so as to minimise noise emissions; and
- d) Suitably sized waste storage bays and bays for the storage of recovered materials shall be provided.

3.15 Civic Waste Facility

3.15.1 The licensee may establish and maintain a Civic Waste Facility at the facility.

3.15.2 In the case where the licensee provides a Civic Waste Facility the layout of the facility shall be as shown in Drawing No. 702140/9/18 unless otherwise agreed with the Agency.

3.16 Compost facility

3.16.1 Appropriate infrastructure (based on the plans submitted in the waste licence review application/EIS) for the composting of waste shall be established and maintained at the facility prior to any waste being composted.

3.16.2 The composting process shall as a minimum include/provide for the following:

- (a) Designated areas for the acceptance, temporary storage and pre-treatment of biodegradable waste, composting aisles and also designated areas for the storage of processed compost;
- (b) Suitably sized storage tanks for the storage of any sludges prior to their acceptance for composting. The design and location of the sludge storage tanks shall be agreed with the Agency prior to construction;
- (c) The collection and reuse of all wastewater generated where possible. In the case where the wastewater cannot be reused it shall be drained to the wastewater collection system;
- (d) Adequate aeration of the process and the collection of air emissions and their subsequent treatment/abatement in an odour abatement system. The odour collection/abatement system shall comprise the following:-

- i) Installation and maintenance of integrity and negative pressure throughout the building to ensure no significant escape of odours or dust;
- ii) Provision of a biofilter for each composting aisle within the building;
- iii) Provision of a water scrubber and biofilter for treatment/abatement of collected air emissions prior to discharge to atmosphere; and
- iv) Provision of 100% duty capacity and 50% stand by capacity, back ups and spares must be provided for the air handling, ventilation and abatement plant.

3.17 Monitoring Infrastructure

- 3.17.1 Monitoring infrastructure that 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 FACILITY OPERATIONS

- 4.1 All waste processing shall be carried out inside the building(s) at the facility.
- 4.2 Waste Acceptance and Characterisation Procedures
 - 4.2.1 The licensee shall agree with the Agency the source and nature of any sludges to be accepted at the facility prior to the acceptance of such wastes.
 - 4.2.2 Waste arriving at the facility shall be weighed, documented and directed to the Waste Transfer/Composting Building(s) as appropriate. Each load of waste arriving at the Waste Transfer/Composting Building(s) shall be inspected upon tipping within this building. Only after such inspections shall the waste be processed for disposal or recovery.
 - 4.2.3 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.
 - 4.2.4 A record of all inspections of incoming waste loads shall be maintained.
- 4.3 Operational Controls
 - 4.3.1 All composting shall take place within a fully enclosed building.
 - 4.3.2 The floor of the waste transfer building, the waste acceptance/pre-treatment area of the composting unit and all waste handling plant shall be washed down and cleared of all waste on a daily basis. The floor of the storage bays for recovered wastes and compost shall be washed down and cleaned on each occasion such bays are emptied.

- 4.3.3 Scavenging shall not be permitted at the facility and there shall be no casual public access to the facility.
- 4.3.4 Gates shall be locked shut when the facility is unsupervised.
- 4.3.5 The licensee shall provide and use adequate lighting during the operation of the facility in hours of darkness.
- 4.3.6 Fuels shall only be stored at appropriately bunded locations on the facility.
- 4.3.7 All tanks and drums shall be labelled to clearly indicate their contents.
- 4.4 Compost
- 4.4.1 In order not to be considered a waste, compost produced by the facility shall comply with the quality standards established in *Schedule F: Standards for Compost Quality*, of this licence. Analysis of the compost shall be in accordance with the requirements of that Schedule.
- 4.4.2 The recovery or disposal of the treated material not achieving the Class 1 or Class 2 standards shall be recorded as required under Condition 9.2.
- 4.5 Process Control
- 4.5.1 The licensee shall on a daily basis, monitor and record the temperature and moisture content of the composting material at eight locations on each composting aisle.
- 4.5.2 The facility shall be designed so as the rate of aeration may be varied as required across the length of each composting aisle and a sprinkler system shall also be installed in each aisle to allow for the moistening of the composting material.
- 4.6 Off-site Disposal and Recovery
- 4.6.1 Waste sent off-site for recovery or disposal shall only be conveyed by a waste carrier agreed in advance by the Agency. Any request for such agreement of a waste carrier shall include the following.
- i) Copies of the waste carrier's permit(s) under the Waste Management (Collection Permit) Regulations 2001.
 - ii) Details of the waste types it is proposed the carrier will transfer from the facility.
- 4.6.2 All waste transferred from the facility shall only be transferred to an appropriate facility agreed by the Agency. Any request for agreement of such a facility shall be forwarded to the Agency at least one month in advance of its proposed use and shall include the following.
- i) A copy of the waste permit or waste licence where applicable;
 - ii) The proposed waste types and quantities; and
 - iii) Details of any limitations on waste types and quantities acceptable at the facility.
- 4.6.3 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.

- 4.7 Civic Waste Facility
- 4.7.1 The Civic Waste Facility shall only be used by private vehicles. The facility shall not be used as a transfer station for disposal of waste by commercial waste disposal contractors or local authority waste collection vehicles.
- 4.7.2 Only those wastes that have been agreed in advance with the Agency may be accepted at the Civic Waste Facility.
- 4.7.3 All waste deposited in the Civic Waste Facility 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.
- 4.7.4 The licensee shall assign and clearly label each container at the Civic Waste Facility to indicate their contents.
- 4.7.5 At the end of the working day the floor of the Civic Waste Facility, the hopper and the compactor shall be cleared of waste.
- 4.7.6 All waste accepted at the Civic Waste Facility for disposal shall be removed within 24 hours of its arrival on-site.
- 4.8 Construction and Demolition Waste Recovery Area
- 4.8.1 Only Construction and Demolition waste shall be accepted at this Area. Wastes that 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.
- 4.8.2 All stockpiles shall be maintained so as to minimise dust generation.
- 4.9 Wastewater Management
- 4.9.1 Unless reused on the facility, all wastewater generated on-site shall be collected and discharged to the local authority sewer that runs adjacent to the facility.
- 4.10 Maintenance
- 4.10.1 All treatment/abatement and emission control equipment shall be calibrated and maintained, in accordance with the instructions issued by the manufacturer/supplier or installer. Written records of the calibrations and maintenance shall be made and kept by the licensee.
- 4.10.2 The licensee shall maintain and clearly label and name all sampling and monitoring locations.
- 4.10.3 The licensee shall maintain all waste handling plant and abatement equipment in accordance with the manufacturers instructions.
- 4.11 Landscaping

- 4.11.1 Landscaping of the facility as described on Drawing No. 702140/9/19 of the application shall be carried out within twelve months of the date of grant of this licence.

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

CONDITION 5 EMISSIONS

- 5.1. 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.
- 5.2. 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.
- 5.3. Emission limits for emissions to atmosphere in this licence shall be interpreted in the following way.
- 5.3.1. 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.
- 5.4 Emissions to Surface Water
- 5.4.1 The trigger levels for surface water discharges from the facility measured at monitoring point(s) are:
- a) BOD 25mg/l
 - b) Suspended Solids 35mg/l
- 5.4.2 No substance shall be discharged in a manner, or at a concentration which, following initial dilution causes tainting of fish or shellfish.
- 5.5 There shall be no clearly audible tonal component or impulsive component in the noise emissions from the activity at the noise sensitive locations.
- 5.6 No Wastewater shall be discharged to surface water.
- 5.7 Wastewater Emissions to Sewer
- 5.7.1 Unless otherwise agreed in advance with the Agency and the Sanitary Authority, the following shall apply for the discharge of wastewater, which shall be via the wastewater discharge line indicated on Drawing No. 702140/9/20 of the application. There shall be no other discharge or emission to sewer of environmental significance.
- 5.7.2 No substance shall be present in emissions to sewer in such concentrations as would constitute a danger to sewer maintenance personnel working in the sewerage system, or

as would be damaging to the fabric of the sewer, or as would interfere with the biological functioning of a downstream wastewater treatment works.

- 5.7.3 The licensee shall permit authorised persons of the Agency and the Sanitary Authority to inspect, examine and test, at all reasonable times, any works and apparatus installed, in connection with the discharge or emission, and to take samples of the discharge or emission.
- 5.7.4 No discharge or emission to sewer shall take place which might give rise to any reaction within the sewer or to the liberation of by-products which may be of environmental significance.
- 5.7.5 The licensee shall ensure that the discharge shall not contain dissolved methane, petroleum spirits or organic solvents (including chlorinated organic solvents), at concentrations which would give rise to flammable or explosive vapours in the sewer.
- 5.7.6 Non-trade effluent wastewater (e.g. firewater, accidental spillage) which occurs on-site shall not be discharged to the sewer without the prior authorisation of the Sanitary Authority.
- 5.7.7 The licensee shall provide and maintain an inspection chamber in a suitable position in connection with each pipe through which a discharge or emission is being made. Each such inspection chamber or manhole shall be constructed and maintained by the licensee so as to permit the taking of samples of the discharge.
- 5.7.8 The licensee shall submit monitoring results to the Sanitary Authority on a quarterly basis.
- 5.8 Emission limit values for wastewater emissions to sewer in this licence shall be interpreted in the following way:-
- a) Continuous monitoring.
- No flow value shall exceed the specified limit.
- b) Non-Continuous monitoring.
- Eight out of ten consecutive results, calculated as daily mean concentration or mass emission values on the basis of flow proportional composite sampling shall exceed 1.2 times the emission limit value.
- c) No grab sample shall exceed 1.2 times the emission limit value.

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

CONDITION 6 NUISANCE CONTROL

- 6.1 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.
- 6.2 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.
- 6.3 Litter Control

- 6.3.1 All loose litter or other waste, placed on or in the vicinity of the facility, other than in accordance with the requirements of this licences, shall be removed, subject to the agreement of the landowners, immediately and in any event by 10.00am of the next working day after such waste is discovered.
- 6.3.2 The licensee shall ensure that all vehicles delivering waste to and removing waste and materials from the facility are appropriately covered.
- 6.4 Dust/Odour Control
- 6.4.1 All waste for disposal stored overnight at the facility, shall be stored in suitably covered and enclosed containers within the Waste Transfer Building, and shall be removed from the facility within forty eight hours of its arrival at the facility.
- 6.4.2 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.
- 6.4.3 Within nine months of the date of grant of this licence, the licensee shall provide dust control measures at the waste transfer building to minimise dust emissions from the facility.

REASON: To provide for the control of nuisances.

CONDITION 7 MONITORING

- 7.1. 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.
- 7.2. 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.
- 7.3. 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.
- 7.4. 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.
- 7.5. 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.
- 7.6. 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.
- 7.7. Nuisance Monitoring

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

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

CONDITION 8 CONTINGENCY ARRANGEMENTS

- 8.1 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.
- 8.2 The licensee shall, prior to commencement or 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.
- 8.3. 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.
- 8.4. Emergencies
- 8.4.1 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.
- 8.4.2 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.
- 8.4.3 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.

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

CONDITION 9 RECORDS

- 9.1 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; and
 - all written procedures produced by the licensee which relate to the licensed activities.
- 9.2 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 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).
- 9.3 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 and any details required to complete National Reports on Waste Statistics;
 - 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;
 - details of all monitoring and visual checks carried out on the odour abatement technologies at the facility as required in *Schedule D.6: Emissions from Biodegradable Waste Composting Unit*, of this licence.
 - details of all compost process control monitoring; and

- g) 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.
- 9.4 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.
- 9.5 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.
- 9.6 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 10 REPORTS AND NOTIFICATIONS

- 10.1 Unless otherwise agreed by the Agency, all reports and notifications submitted to the Agency shall:-
- a) be sent to the Agency's Headquarters;

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

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

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

10.3 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 sent 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.

10.4 Decommissioning and Aftercare

- 10.4.1 A proposal for a Decommissioning and Aftercare Plan for the facility shall be submitted to the Agency within twelve months of the date of grant of this licence. The licensee shall update these schemes when required by the Agency.
- 10.5 Within nine months of the date of grant of this licence, the licensee shall submit a report to the Agency outlining how they intend to ensure that composting activities at the facility shall meet the requirements of the EC Regulation of 3rd October 2002 "Laying down health rules concerning animal by-products not intended for human consumption" (EC 1774/2002).
- 10.6 Prior to the acceptance of waste for composting, the licensee shall submit a report to the Agency for its agreement on the commissioning and operation of the biofilter on a phased basis in order to ensure adequate odour control at the facility.
- 10.7 Monitoring Locations
- 10.7.1 Within three months of the date of grant of this licence, the licensee shall submit to the Agency an appropriately scaled drawing(s) showing all the monitoring locations that are stipulated in this licence. The drawing(s) shall include the reference code of each monitoring point.
- 10.8 Annual Environmental Report
- 10.8.1 The licensee shall submit to the Agency for its agreement, not later than January 31 of each year, an Annual Environmental Report (AER).
- 10.8.2 The AER shall include as a minimum the information specified in Schedule G: Content of Annual Environmental Report and shall be prepared in accordance with any relevant written guidance issued by the Agency.

REASON: To provide for proper reporting and notification of the Agency.

CONDITION 11 CHARGES AND FINANCIAL PROVISIONS

- 11.1 Agency Charges
- 11.1.1 The licensee shall pay to the Agency an annual contribution of €18,764 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 31st December. This amount shall be paid to the Agency within one month of the date of grant of this licence.
- 11.1.2 In the event that the frequency or extent of monitoring or other functions carried out by the Agency needs to be increased the licensee shall contribute such sums as determined by the Agency to defraying its costs.
- 11.2 Financial Provision for Closure, Restoration and Aftercare
- 11.2.1 The licensee shall arrange for an independent third party risk assessment of the facility to be carried out. The risk assessment shall have particular regard to any accidents,

emergencies, or other incidents, which might occur at the facility and their effect on the environment, on the neighbours of the facility and on adjoining land-uses. The risk assessment shall include a comprehensive and fully costed Environmental Liabilities Risk Assessment for the facility together with a proposal for Financial Provision arising from the carrying on of the activities to which this licence relates. The risk assessment shall be submitted to the Agency for its agreement within six months of the date of grant of this licence.

11.2.2 The amount of financial provision, held under Condition 11.2.1 shall be reviewed and revised as necessary, but at least annually. Any proposal for such a revision shall be submitted to the Agency for its agreement.

11.2.3 The licensee shall within two weeks of purchase, renewal or revision of the financial provision required under Condition 11.2.1, forward to the Agency written proof of such indemnity.

11.2.4 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	Option A ^{Note 1}	Option B ^{Note 2}
	MAXIMUM (TONNES PER ANNUM)	MAXIMUM (TONNES PER ANNUM)
Household	55,500	55,500
Commercial	17,500	17,500
Construction and Demolition	30,000	50,000
Industrial non-hazardous solids	23,000	23,000
Biodegradable waste	40,000 ^{Note 3}	20,000 ^{Note 4}
TOTAL	166,000	166,000

Note 1: Option A – A total of 166,000 tonnes per annum to be accepted with the provision of four composting aisles in proposed new building for the treatment of 40,000 tonnes of biowaste per annum.

Note 2: Option B – A total of 166,000 tonnes per annum to be accepted with the provision of two composting aisles and construction & demolition recovery area in proposed new building for the treatment of 20,000 tonnes of biowaste per annum and the processing of an additional 20,000 tonnes of C&D waste per annum.

Note 3: Maximum quantity of 4,000 tonnes of sludge to be accepted per annum.

Note 4: Maximum quantity of 2,000 tonnes of sludge to be accepted per annum.

SCHEDULE B : Specified Engineering Works

Specified Engineering Works
Installation of silt traps and oil interceptors.
Installation of dust/odour system.
Installation of waste handling, processing, recycling/recovery infrastructure and installation of increased waste processing capacity.
Installation of Compost Facility.
Construction of all drainage systems.
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*).

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*).

Level (mg/m ² /day) ^{Note 1}
350

Note 1: 30 day composite sample with the results expressed as mg/m² /day.

C.3 Emission Limits for Emissions to Sewer (Measured at the monitoring points indicated in *Table D.1*).

Emission Point Reference No. FW-1

Volume to be emitted:

Maximum in any one day: 7 m³

Maximum rate per hour: 7 m³/hr

Parameter ^{Note 1}	Emission Limit Value ^{Note 1}	
	Grab Sample (mg/l)	Daily Mean Loading (kg/day)
BOD	350	1.2
COD	1000	6.3
Suspended solids	400	2.8
Sulphate	400	2.8
Fats, Oils & Greases	100	0.7

Note 1: There shall be no emissions to sewer of pesticides or insecticides.

C.4 Emission Limit Values from Biofilters at the Facility

Emission Point Reference No. BF-1, BF-2, BF-3, BF-4 (emission points from biofilters)

Discharge height: 15m above ground level

Parameter	Emission Limit Value
Ammonia	50 (ppm v/v)
Hydrogen Sulphide	5 (ppm v/v)
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 Tables D.1.1 & D.1.2

Table D.1.1 Noise, Surface Water and Wastewater Monitoring Locations

NOISE	SURFACE WATER	Wastewater
STATIONS ^{Note 1}	STATIONS ^{Note 2}	STATIONS ^{Note 3}
N1 N2	SW1 SW2 SD-1	FW-1

Note 1: Two noise monitoring locations to be provided at the two nearest sensitive locations.

Note 2: SW1 and SW2 to be provided upstream and downstream of the discharge point respectively. SD-1 to be located at the surface water discharge point.

Note 3: FW-1 to be located at a location to be agreed with the Agency prior to discharge to sewer.

Table D.1.2 Dust/Emissions to Atmosphere/Airborne Micrororganisms Monitoring Locations

DUST	EMISSIONS TO ATMOSPHERE	AIRBORNE MICRO-ORGANISMS
STATIONS ^{Note 1}	STATIONS ^{Note 2}	STATIONS ^{Note 3}
D1 D2 D3 D4	BF-1 BF-2 BF-3 BF-4	AB-1 AB-2 AB-3 AB-4

Note 1: One location to be provided along each boundary of the facility.

Note 2: To be located at the emission point from each one of the biofilters provided.

Note 3: One location to be provided along each boundary of the facility, only three to be used in any one monitoring event.

D.2 Dust and Airborne Microbes

Table D.2.1 Dust and Airborne Microbes Monitoring Frequency and Technique

Parameter	Monitoring Frequency	Analysis Method/Technique
Dust (mg/m ² /day)	Three times a year ^{Note 2}	Standard Method ^{Note 1}
Airborne Microbes	Annually	Standardised Protocol ^{Note 3}

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.

Note 3: Enumeration of colonies to be carried out as described in 'Standardised Protocol for the Sampling and Enumeration of Airborne Micro-organisms at composting Facilities' the Composting Association 1999.

D.3 Noise

Table D.3.1 Noise Monitoring Frequency and Technique

Parameter	Monitoring Frequency	Analysis Method/Technique
L(A) _{EQ} [30 minutes]	Annual	Standard ^{Note 1}
L(A) ₁₀ [30 minutes]	Annual	Standard ^{Note 1}
L(A) ₉₀ [30 minutes]	Annual	Standard ^{Note 1}
Frequency Analysis(1/3 Octave band analysis)	Annual	Standard ^{Note 1}

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

D.4 Surface Water Emissions

Table D.4.1 Surface water Monitoring Frequency and Techniques

Parameter	Monitoring Frequency	Analysis Method/Technique
PH	Quarterly	Electrometry
Ammonia	Quarterly	Standard Methods ^{Note 1}
Biological Oxygen Demand	Quarterly	Standard Methods ^{Note 1}
Suspended Solids	Quarterly	Standard Methods ^{Note 1}
Mineral Oils	Quarterly	Standard Methods ^{Note 1}
Fats, Oils, Grease	Quarterly	Standard Methods ^{Note 1}

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

D.5 Wastewater Emissions

Table D.5.1 Wastewater Monitoring Frequency and Techniques

Parameter	Monitoring Frequency	Analysis Method/Technique
Flow to Sewer	Continuous	Flow Meter
Biological Oxygen Demand	Quarterly	Standard Methods ^{Note 1}
Chemical Oxygen Demand	Quarterly	Standard Methods ^{Note 1}
Suspended Solids	Quarterly	Standard Methods ^{Note 1}
Fats, Oils, Grease	Quarterly	Standard Methods ^{Note 1}
Sulphate	Quarterly	Standard Methods ^{Note 1}
Ammoniacal nitrogen	Quarterly	Standard Methods ^{Note 1}
Insecticides	Quarterly	Method to be agreed with the Agency
Pesticides	Quarterly	Method to be agreed with the Agency

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

D.6 Emissions from Biodegradable Waste Composting Unit

Table D.6.1 Emissions to Atmosphere: Abatement/Treatment Control at Biodegradable Waste Composting Plant

Emission Point Reference No.: **Emission points from any Biofilter installed at the facility**
 Description of Treatment: **Scrubber(s) / Biofilter(s)**
 Monitoring and Backup Equipment at the Organic Waste Composting Plant shall be as set out below.

Control Parameter	Monitoring Required	Monitoring Equipment	Backup Equipment
Scrubber			
Visual Inspection	Check operation Daily	Visual Inspection	-
Biofilter(s)			
Inlet Gas			
Temperature	Daily	Temperature sensor	-
Inlet and Outlet Gas			
Ammonia	Monthly	Colorimetric Indicator Tubes Note 1	Spare tubes
Hydrogen sulphide	Monthly	Colorimetric Indicator Tubes Note 1	Spare tubes
Mercaptans	Monthly	Colorimetric Indicator Tubes Note 1	Spare tubes
Bed Media			
Condition ^{Note 2}	Daily	Visual Inspection	-
Moisture content	Monthly	Standard laboratory method ^{Note 1}	-
Total viable counts	Bi – annually	Standard laboratory method ^{Note 1}	-
General			
Sprinkler System	Check operation Daily	Visual Inspection	-
Fan	Check operation Daily	Visual Inspection	
Negative Pressure ^{Note 3}	Monthly	Air Current Tubes ^{Note 1}	Spare Tubes

All measurements shall be made at peak bed loading.

Note 1: Or an equivalent method acceptable to the Agency.

Note 2: The biofilter shall be examined to ensure that no channelling is evident. Turning, restructuring and the addition of supplementary bed materials, or total bed replacement shall be carried out, as required, subject to bed performance.

Note 3: To be carried out on all buildings under negative pressure. A log shall be kept on - site with records of the date and time of analysis, building tested and weather on date of testing.

SCHEDULE E : Recording and Reporting to the Agency

Report	Reporting Frequency ^{Note1}	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	As they occur	Prior to the commissioning of a bund, tank or container and every three years thereafter
Specified Engineering Works reports	As they arise	Prior to the works commencing.
Monitoring of Surface Water Quality	Quarterly	Ten days after end of the quarter being reported on.
Airborne Microbe Monitoring	Annually	One month after end of the year being reported on.
Monitoring of Wastewater	Quarterly	Ten days after end of the quarter being reported on.
Dust Monitoring	Three times a year	Ten days after the period being reported on.
Noise Monitoring	Annually	One month after end of the year being reported on.
Any other monitoring	As they occur	Within ten days of obtaining results.

Note 1: Unless altered at the request of the Agency

SCHEDULE F : 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 (where they apply to compost) 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, NH₄-N, NO₃-N, pH and dry matter content should also be measured]

1. Maturity

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 AT₄ is ≤10mg/O₂/g dry matter or Dynamic Respiration Index is ≤1,000mgO₂/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 ^{Note 1}

Maximum Trace Element Concentration Limits ^{Note 2}

Parameter (mg/kg, dry mass)	Compost Quality Standards ^{Note 3}		Stabilised Biowaste
	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
PolyChlorinated Biphenyls (PCB's)	-	-	0.4
Polynuclear Aromatic Hydrocarbons (PAH's)	-	-	3
Impurities >2mm ^{Note 4}	<0.5%	<0.5%	<3%
Gravel and Stones >5mm ^{Note 4}	<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: 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 3: Normalised to 30% organic matter content

Note 4: 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

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 monitor the compost product at least monthly. The licensee shall submit to the Agency for its agreement, prior to commencement of the composting, details of the sampling protocol, methods of analyses and sample numbers.

SCHEDULE G : Content of the Annual Environmental Report

Annual Environmental Report Content

Reporting Period.

Waste activities carried out at the facility.

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

Summary report on emissions.

Report on the actual removal efficiency of the biofilter(s) at the facility based on actual on-site monitoring results.

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

Resource and energy consumption summary.

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

Schedule of Environmental Objectives and Targets for the forthcoming year.

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

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

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

Reported Incidents and Complaints summaries.

Review of Nuisance Controls.

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

Volume of wastewater produced and volume of wastewater discharged to sewer.

Quantity of compost produced and details of outlets used for the sale/distribution of any such compost.

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 19th day of June 2003

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

Padraic Larkin Director General/Authorised Person

BARNA WASTE

E.P.A. Licenced Recycling Facility

RECYCLING DEPOT:

Carrowbrowne,
Headford Road, Galway.
Tel.: 091-771619.
Fax: 091-771735.

Email: info@barnawaste.com
Website: www.barnawaste.com

V.A.T. No.: IE 6519402P
EPA Licence No.: 106/1
Waste Collection Permit No.: CW074

REGISTERED OFFICE:

Derryloughane East,
Spiddal, Co. Galway.
Tel.: 091-553491.
Fax: 091-553402.

11. Financial Plan

Bruscar Bhearna Teo. t/a Barna Waste has entered into a short-term lease with Sean & Loretta Bergin to operate the EPA licenced Facility in Ballaghaderreen, Co. Roscommon. The lease commenced in January 2009 and is due to expire in September 2013, at which time the lease will be renewed or the property will revert to Sean & Loretta Bergin.

Due to the nature of our occupation of the facility i.e. lessee, we have requested the Bank of Scotland to extend the existing financial provision of €100,000 (to cover remediation from environmental liabilities) to the Sean & Loretta Bergin. The guarantee is renewed annually on the 22nd September. We will continue to cover day-to-day control, monitoring and clean up costs from current financial resources and utilise the guarantee in the unlikely event of a serious environmental incident.

