

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

WASTE LICENCE  
PROPOSED DECISION

<b>Waste Licence</b>	106-1
<b>Register Number:</b>	
<b>Applicant:</b>	Brúscar Bhearna Teoranta
<b>Location of Facility:</b>	Carrowbrowne, Headford Road, Co. Galway

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## Reasons for the Decision

The Agency is satisfied, on the basis of the information available, that subject to compliance with the conditions of this licence any emissions from the activity will comply with and not contravene any of the requirements of Section 40(4) of the Waste Management Act, 1996.

In reaching this decision the Agency has considered the application and supporting documentation received from the applicant, 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 Brúscar Bhearna Teoranta, Derryloughane East, Spiddal, Co. Galway to carry on the waste activities listed below at Brúscar Bhearna Teoranta, Carrowbrowne, Headford Road, Co. Galway, subject to eleven conditions, with the reasons therefor and the associated schedules attached thereto set out in the licence.

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

<b>Class 11.</b>	<b>Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.</b>  This activity is limited to wastes from different sources being mixed during compaction into ejection trailers prior to transport to landfill
<b>Class 12.</b>	<b>Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.</b>  This activity is limited to wastes being transferred from refuse trucks into ejector trailers prior to transport to landfill
<b>Class 13.</b>	<b>Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned was produced.</b>  This activity is limited to the temporary storage of compacted wastes, enclosed in ejector trailers prior to disposal at landfill.

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

<b>Class 2.</b>	<b>Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes):</b>  This activity is limited to the acceptance of separated organic wastes at the Civic Waste Facility.
<b>Class 3.</b>	<b>Recycling or reclamation of metals and metal compounds:</b>  This activity is limited to the collection of metals and metal compounds for recycling.
<b>Class 4.</b>	<b>Recycling or reclamation of other inorganic materials:</b>  This activity is limited to the acceptance of inorganic wastes at the Civic Waste Facility.
<b>Class 12.</b>	<b>Exchange of waste for submission to any activity referred to in a preceding paragraph of this Schedule:</b>  This activity is limited to the repackaging of the different segregated waste streams from the transfer/recycling facility and the Civic Waste Facility
<b>Class 13.</b>	<b>Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced:</b>  This activity is limited to the storage of waste prior to recovery

# INTERPRETATION

<b>Act</b>	The Waste Management Act, 1996 (No. 10 of 1996).
<b>Aerosol</b>	A suspension of solid or liquid particles in a gaseous medium.
<b>Adequate lighting</b>	20 lux measured at ground level.
<b>Agency</b>	Environmental Protection Agency
<b>Agreement</b>	Agreement in writing.
<b>Attachment</b>	Any reference to Attachments in this licence refers to attachments submitted as part of the waste licence application.
<b>Application</b>	The application by the licensee for this waste licence, including any other material submitted to the Agency in writing by the licensee between the date of the application and the date of grant of this licence.
<b>Annually</b>	All or part of a period of twelve consecutive months.
<b>Appropriate facility</b>	A waste management facility, duly authorised under relevant law and technically suitable.
<b>Bi-annually</b>	All or part of a period of six consecutive months.
<b>Bi-monthly</b>	At least 2 measurements in a calendar month with no more than one measurement in any one week.
<b>Bund</b>	A structure to provide containment for any loss of liquid from a storage tank and associated pipework. The Agency's Landfill Design Manual (draft) sets forth design criteria.
<b>Commercial waste</b>	As defined in Section 5 (1) of the Act.
<b>Condition</b>	A condition of this licence. In any case where this licence refers to a numbered condition, the reference shall be taken to mean the condition and any sub-condition therein which the context of the reference requires that reference is made to.
<b>Containment boom</b>	A boom which can contain spillages and prevent these from entering drains or watercourses.
<b>Daily</b>	Consecutive 24 hour periods
<b>Day</b>	A period from 0.00 hours to 2400 hours.
<b>Daytime</b>	8.00 a.m. to 10.00 p.m.
<b>Documentation</b>	Any report, record, result, data, drawing, proposal, interpretation or other document in written or electronic form which is required by this licence
<b>Drawing</b>	Any reference to a drawing or drawing number means a drawing or drawing number contained in the application unless otherwise

	drawing number contained in the application, unless otherwise specified in this licence.
<b>Emission</b>	As defined in Section 5 (1) of the Act.
<b>Emission Limit Value</b>	Those limits, including concentration limits and deposition levels established in Schedule F.
<b>Environmental Pollution</b>	As defined in Section 5 (1) of the Act.
<b>European Waste Catalogue (EWC)</b>	The EWC is a harmonised, non-exhaustive list of wastes drawn up by the European Commission and published as Commission Decision 94/3/EC and any subsequent amendment published in the Official Journal of the European Community.
<b>Facility</b>	That area or areas defined under Condition 1.2
<b>Foul Water</b>	All waste waters generated at the facility including all wash waters from buildings and vehicles and domestic sewage.
<b>Fugitive Dust</b>	Non-point source dust emissions. For example, dust from vehicular movements on yards.
<b>Green waste</b>	Waste wood, plant matter and other vegetation.
<b>Hazardous Waste</b>	As defined in Section 4 (2) of the Act.
<b>Household Waste</b>	As defined in Section 5 (1) of the Act.
<b>Incident</b>	Any reference to an incident in this licence means an incident as defined in Condition 3.1.
<b>Industrial waste</b>	As defined in Section 5 (1) of the Act.
<b>Inert waste</b>	Waste that does not undergo any significant physical, chemical or biological transformations. Inert waste will not dissolve, burn or otherwise physically or chemically react, biodegrade or adversely affect other matter with which it comes into contact in a way likely to give rise to environmental pollution or harm human health. The total leachability and pollutant content of the waste and the ecotoxicity of the leachate must be insignificant, and in particular not endanger the quality of surface water and/or groundwater.
<b>Impulsive Noise</b>	As defined in British Standard BS 4142, 1990. "Method for rating industrial noise affecting mixed residential and industrial areas".
<b>Instruction</b>	Instruction in writing
<b>Licence</b>	A Waste Licence issued in accordance with the Act.
<b>Licensee</b>	Brúscar Bhearna Teoranta, Derryloughane East, Spiddal, Co. Galway.
<b>List I/II Organics</b>	Substances classified pursuant to EC Directives 76/464/EEC and 80/68/EEC
<b>Liquid Waste</b>	Any waste in liquid form and containing less than 2% dry matter
<b>Maintain</b>	Keep in a fit state, including such regular inspection, servicing and repair as may be necessary to adequately perform its function

repair as may be necessary to adequately perform its function.

<b>Mobile Plant</b>	Self-propelled machinery used for the emplacement of wastes or for the construction of specified engineering works
<b>Monthly</b>	At least 12 times per year, at approximately monthly intervals.
<b>Municipal Waste</b>	Municipal waste as defined in Section 5 (1) of the Act.
<b>Night-time</b>	10.00 p.m. to 8.00 a.m.
<b>Noise Sensitive Location (NSL)</b>	Any dwelling house, hotel or hostel, health building, educational establishment, place of worship or entertainment, or any other facility or area of high amenity which for its proper enjoyment requires the absence of noise at nuisance levels.
<b>Non-hazardous waste</b>	Non-Hazardous Waste is any waste which is not a hazardous waste as defined in the Act.
<b>Oil Separator</b>	Device installed according to the draft European Standard prEN 858 (Installations for the separation of light liquids, e.g. oil and petrol).
<b>Putrescible waste</b>	Waste which is readily biodegradable such as vegetable matter, green waste, etc.
<b>Quarterly</b>	A period of three calendar months, the first period of which commences on the date of grant of this licence
<b>Recovery</b>	As defined in Section 4 (4) of the Act.
<b>Sample(s)</b>	Unless the context of this licence indicates to the contrary, samples shall include measurements by electronic instruments
<b>Sanitary Authority</b>	Galway Corporation
<b>Sludge</b>	The accumulation of solids resulting from chemical coagulation, flocculation and/or sedimentation after water or wastewater treatment with between 2% and 14% dry matter.
<b>Specified Emissions</b>	Those emissions listed in Schedule F: Emission Limits of this licence.
<b>Specified Engineering Works</b>	Those engineering works listed in Schedule D: Specified Engineering Works of this licence.
<b>Submit</b>	Unless the context of this licence indicates otherwise, submit to the Agency in writing for agreement
<b>Tonal Noise</b>	As defined in International Standards Organisation "Acoustics – description and measurement of environmental noise", Part 2, 1996.
<b>Trade Effluent</b>	As defined in the Local Government (Water Pollution) Act, 1977.
<b>Trigger Level</b>	A parameter value which when achieved or exceeded requires certain actions to be taken.
<b>Waste</b>	As defined in Section 4(1) of the Act.

<b>Waste disposal activity</b>	Includes the activities referred to in Section 4 of the Act and listed in the Third Schedule thereto.
<b>Waste recovery activity</b>	Includes the activities referred to in Section 4 of the Act and listed in the Fourth Schedule thereto.
<b>Waste Transfer Building</b>	All areas where waste acceptance, processing or storage occurs under roof.
<b>Weekly</b>	During all weeks of plant operation, and in the case of emissions, when emissions are taking place; with no more than one measurement in any one week.
<b>White Goods</b>	Refrigerators, cookers, ovens and other similar appliances.
<b>Working Day of Facility</b>	07:00 to 22:00 Monday to Saturday

## ***Part II: CONDITIONS***

### **CONDITION 1 SCOPE**

- 1.1. Waste activities at the facility shall be restricted to those listed and described in Part I: Activities Licensed and required by the licence. All programmes required to be carried out under the terms of this licence, become part of this licence.
- 1.2. Waste activities shall be restricted to the area of land outlined in red on Drawing No. 702140/9/2 of the application. Any reference in this licence to "facility" shall mean the area thus outlined in red.
- 1.3. Every plan, programme or proposal submitted to the Agency for agreement pursuant to any condition of this licence shall include a proposed timescale for its implementation. The Agency may modify or alter any such plan, programme or proposal in so far as it considers such modification or alteration to be necessary. Every plan, programme or proposal shall be carried out within the timescale fixed by the Agency but shall not be undertaken without the agreement of the Agency.
- 1.4. This licence is for the purposes of waste licensing under the Waste Management Act 1996 only and nothing in this licence shall be construed as negating the licensee's statutory obligations or requirements under any other enactments or regulations.
- 1.5. Where the Agency considers that a non-compliance with the Conditions of this licence has occurred, it may serve a notice on the licensee specifying:
  - a) that only those wastes as specified, if any, in the notice are to be accepted at the facility after the date set down in the notice;
  - b) that the licensee shall undertake the works stipulated in the notice, and/or otherwise comply with the requirements of the notice as set down therein, within the time-scale contained in the notice; and,
  - c) that the licensee shall carry out any other requirement specified in the notice.

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

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



## **CONDITION 2    MANAGEMENT OF THE ACTIVITY**

### **2.1    Environmental Management System**

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

2.1.2    The EMS shall include as a minimum those elements specified in the Conditions 2.2 to 2.7 below:

### **2.2    Schedule of Environmental Objectives and Targets**

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

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

### **2.3    Environmental Management Programme**

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

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

### **2.4    Corrective Action**

2.4.1    Within six months of the date of grant of this licence, the licensee shall establish and maintain written Corrective Action Procedures to ensure that corrective action is taken should specified requirements to this licence not be fulfilled.

### **2.5    Awareness and Training**

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

### **2.6    Management Structure**

Within three months from the date of grant of this licence, the licensee shall submit written details of the management structure of the facility for the agreement of the Agency. Any proposed changes in the management structure shall be submitted in writing to the Agency for its agreement. Written details of the management structure shall include the following information:

- a) the names of all persons who are to provide the management and supervision of the waste activities authorised by the licence;
- b) a named contact person for communications with the Sanitary Authority
- c) details of the responsibilities for each individual named under a) above;
- d) details of the relevant experience, competence and qualifications held by each of the persons nominated under a) above; and
- e) contingency arrangements for the absences of the named persons from the facility.

## 2.7 Communications

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

## 2.8 Annual Environmental Report

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

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

2.9 The licensee shall employ a suitably qualified and experienced facility manager who shall be designated as the person in charge. The facility manager or a suitably qualified and experienced deputy, shall be present at all times during the operation of the facility.

2.10 The licensee shall ensure that personnel performing specifically assigned tasks shall be qualified on the basis of appropriate education, training and/or experience, as required and shall be aware of the requirements of this licence.

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

## CONDITION 3 NOTIFICATION AND RECORD KEEPING

3.1 The licensee shall make written records of the following incidents:

- a) any nuisance caused by the activity;
- b) any emission which does not comply with the requirements of this licence;
- c) any trigger level specified in this licence which is attained or exceeded;
- d) any test failures of waste samples taken;
- e) any indication that environmental pollution has, or may have, taken place; and

- f) any emergency.
- 3.2 The written record shall include all aspects described in Condition 10.7(a-e).
- 3.3 Unless otherwise instructed in writing by the Agency, the licensee shall:
- a) notify the Agency as soon as practicable and in any case not later than 10.00 a.m. the following working day after the occurrence of any incident;
  - b) submit the written record required by this condition 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 water, notify the Western Regional Fisheries Board as soon as practicable and in any case not later than 10.00 a.m. on the following working day after such an incident.
- 3.4 Should any further actions be taken after the date of written notification, as a result of an incident occurring, the licensee shall forward a written report of those actions to the Agency as soon as practicable and no later than ten days after the initiation of those actions.
- 3.5 Unless otherwise agreed by the Agency, all documentation submitted to the Agency shall:
- (a) be sent to the Agency's headquarters;
  - (b) comprise one original and three copies;
  - (c) be formatted in accordance with any written instruction or guidance issued by the Agency;
  - (d) 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; and
  - (g) in the case of results of any environmental monitoring, be accompanied by a written interpretation setting out their significance.
- 3.6 Copies of all environmental monitoring data obtained by the licensee which relates to the facility shall be forwarded to the Agency at the frequencies set out in Schedule C: Recording and Reporting to the Agency of this licence.
- 3.7 Unless otherwise agreed with the Agency, all documentation and records required to be made under this licence, shall be retained by the licensee.
- 3.8 The licensee shall provide additional copies of any documentation and records referred to in this licence to the Agency upon written request, within the time specified in writing by the Agency.
- 3.9 The licensee shall keep the following documents at the facility office referred to in Condition 4.5.
- a) the current waste licence relating to the facility;
  - b) the current EMS for the facility;
  - c) the previous year's AER for the facility;

- d) all written procedures produced by the licensee which relate to the licensed activities.
- 3.10 The licensee shall maintain a written record, or a record in a format to be agreed with the Agency, for each load of waste arriving at and departing from the facility other than waste arriving at the Civic Waste Facility. The licensee shall record the following:
- a) the date;
  - b) the name of the carrier,
  - c) the vehicle registration,
  - d) the name of the producer(s)/collector(s) of the waste as appropriate,
  - e) a description of the waste including the associated EWC codes
  - f) the quantity of the waste accepted at or removed from the facility, recorded in tonnes (or an estimate, prior to the installation of the weighbridge required by Condition 4.10)
  - g) the name of the person checking the load;
  - h) where loads or wastes are removed or rejected, details of the date of occurrence, the types of waste and the facility to which they were removed.
- 3.11 The licensee shall maintain a written record of the type and quantity, recorded in tonnes, of all waste recovered at the facility.
- 3.12 The licensee shall maintain a written record of all complaints relating to the operation of the activity. Each such record shall give details of the following:
- a) date and time of the complaint;
  - b) the name of the complainant;
  - c) details of the nature of the complaint;
  - d) actions taken on foot of the complaint and the results of such actions; and,
  - e) the response made to each complainant.
- 3.13 Provision shall be made for the transfer of environmental information specified by the Agency, in relation to the activities carried on under this licence, to the Agency's computer system within a timescale specified in writing by the Agency.

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

## CONDITION 4 SITE INFRASTRUCTURE

- 4.1 The licensee shall establish all infrastructure referred to in this licence as instructed by the Agency.
- 4.2 Site Notice Board
- 4.2.1 The licensee shall provide and maintain a Site Notice Board on the facility so that it is legible to persons outside the main entrance to the facility. The minimum dimensions of the identification board shall be 1200 mm by 750 mm.
  - 4.2.2 The board shall clearly show:

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

#### 4.3 Site Security

4.3.1 Security and stockproof fencing and gates shall be installed and maintained as described in Drawing No. 702140/9/5 of the waste licence application. The base of the fencing shall be set in the ground.

4.3.2 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 or as otherwise agreed with the Agency.

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

#### 4.4 Site Roads and Hardstanding

4.4.1 The facility entrance area, parking area, all areas where vehicle movement takes place and waste handling/storage areas shall be impermeable hardstand.

4.4.2 All hardstanding areas at the facility shall be concrete slabs constructed to British Standard 8110 or other standard agreed in advance with the Agency.

4.4.3 Unless otherwise agreed in advance with the Agency, traffic movements within the facility shall be in accordance with Attachment D.1.j and as shown on Drawing No. 702140/9/4 of the waste licence application.

4.5 The licensee shall provide and maintain an office on the facility. The office shall be constructed and maintained in a manner suitable for the processing and storing of documentation.

4.6 The licensee shall provide and maintain a working telephone and facsimile machine in the office specified in Condition 4.5 above.

#### 4.7 Waste handling plant

4.7.1 Items of plant deemed critical to the efficient and adequate processing of waste on site (including *inter alia* waste loading vehicles, pumping plant, other plant and sorting lines) shall be provided on the following basis:

- 100% duty capacity;
- 50% standby capacity;
- Provision of contingency arrangements and/or back up and spares in the case of breakdown of critical equipment.

- 4.7.2 Within six months of the date of grant of this licence the licensee shall provide a report for the agreement of the Agency detailing the capacity in tonnes per day, of all waste handling and processing equipment to be used on site. These capacities shall be based on the licensed waste intake, as *per* Schedule G.
- 4.7.3 The quantity of waste to be accepted at the facility on a daily basis shall not exceed the duty capacity of the equipment on site. Any exceedance of this intake shall be treated as an incident and reported to the Agency under Condition 10.7
- 4.8 The updated schedule of duty and standby plant shall be agreed with the Agency and reported in the Annual Environmental Report.
- 4.9 Waste Inspection/Quarantine
- 4.9.1 Within six months of the date of grant of this licence, a Waste Inspection Area and a Waste Quarantine Area shall be provided and maintained. These areas shall be located inside the waste transfer building.
- 4.9.2 The licensee shall ensure that 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 suitably and clearly segregated from each other.
- 4.9.3 Drainage from these areas shall be directed to the foul water system.
- 4.10 Within six months of the date of grant of this licence, the licensee shall provide and maintain a weighbridge at the facility. Unless otherwise agreed with the Agency the location of the weighbridge shall be as shown on Drawing No. 702140/9/4 of the waste licence application.
- 4.11 Facility Layout
- 4.11.1 The waste transfer building shall cover the area as shown in Drawing No. 702140/9/4 of the waste licence application and within nine months of the date of grant of the licence shall be enclosed on all sides subject to any alteration(s) agreed in advance by the Agency.
- 4.11.2 The licensee shall, unless otherwise agreed with the Agency, provide four separate areas for waste acceptance within the transfer building:
- (i) Area for construction and demolition wastes
  - (ii) Area for commercial, industrial and domestic wastes
  - (iii) Cardboard baling area
  - (iv) Civic waste facility
- 4.11.3 The areas referred to in Condition 4.11.2 (i) – (iv) shall be clearly segregated from each other . The civic waste facility shall be separated from other areas by a wall with a minimum height of 1.8m.
- 4.12 Storage
- 4.12.1 All tank, drum and fuel storage areas shall be rendered impervious to the materials stored therein. In addition, tank, drum and fuel storage areas (including households hazardous waste storage in the civic waste facility) 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.

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

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

4.12.4 The integrity and water tightness of all the bunds, tanks and containers and their resistance to penetration by water or other materials stored therein shall be tested and demonstrated by the licensee and shall be reported to the Agency within twelve months of the date of grant of this licence. This testing shall be carried out by the licensee at least once every three years thereafter and reported to the Agency on each occasion. The licensee shall also submit to the Agency for its agreement in each case a written report on the storage of fuels on site. A written record of all integrity tests and any maintenance or remedial work arising from them shall be maintained by the licensee.

4.12.5 Vehicle cleaning facilities, including detergent storage, shall be provided and maintained at a location and to a specification agreed with the Agency within six months of the grant of this licence.

4.12.6 The licensee shall provide and maintain a bunded fuel storage area at the facility. Fuels shall only be stored at the agreed location. Surface water drainage from the fuel dispensing area, unless contained within the bund, shall be directed through an oil separator.

4.12.7 All tanks and containers shall be uniquely marked using indelible or other permanent markings to clearly indicate their contents. All previous/ irrelevant markings and or labels shall be removed or obliterated.

4.12.8 All tanks and containers shall be secured against unauthorised access

4.13 Within twelve months of granting of this licence, 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 site operation. Any alterations to the site drainage thereafter shall comply with this colour coding scheme within one week of such alterations.

4.14 The drainage system, bunds 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.

4.15 All foul sewer pumps shall be maintained according to the manufacturer's instructions. A written record of pump servicing, maintenance and remedial work shall be maintained by the licensee. The licensee shall ensure that there is adequate pumping capacity in the event of equipment malfunction.

4.16 All drainage from the floor of the waste transfer building shall be directed to the foul water drainage system.

4.17 Surface Water

4.17.1 Within six months of the date of grant of this licence, the licensee shall provide, and maintain a surface water drainage network at the facility. All surface water run-off from the facility (other than roof water) shall pass through a silt trap and

Class 1 full retention oil separator prior to discharge to the stream at the northern boundary of the facility.

4.17.2 Within nine months of the date of grant of this licence all roof waters shall be segregated and separately discharged to the surface water stream to the north of the site at a location to be agreed in advance with the Agency.

#### 4.18 Foul Water

4.18.1 The licensee shall provide, and maintain a foul water drainage network at the facility.

4.18.2 All foul water from the facility shall pass through a silt trap and Class 2 oil separator prior to discharge.

#### 4.19 Oil Separators and Interceptors

4.19.1 Within three months of the date of grant of this licence, the licensee shall report to the Agency on the compatibility of any oil separators located on the site, with the European Standard prEN 858 (Installations for the separation of light liquids) .

4.19.2 If, in the opinion of the Agency, this comparison proves negative, the licensee shall install a suitable oil separator to replace the existing one within six months of date of grant of this licence.

4.19.3 All oil interceptors and separators installed at the facility as part of both the surface water and foul water system shall be in accordance with the European Standard prEn 858 (installations for the separation of light liquids)

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

#### 4.21 Specified Engineering Works

4.21.1 The licensee shall submit written proposals for all Specified Engineering Works, as defined in Schedule D: Specified Engineering Works, 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.

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

4.21.3 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) where relevant a drawing and sections showing the location of all samples and tests carried out;
- e) where relevant daily records sheets/diary;
- f) name(s) of contractor(s)/individual(s) responsible for undertaking the 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; and
- i) any other information requested in writing by the Agency.

4.22 Landscape

4.22.1 Within twelve months of the date of grant of this licence the licensee shall complete all boundary planting and landscaping as shown on Drawing No. 702140/9/5 of the waste licence application subject to any alterations agreed in advance with the Agency.

4.23 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 within eighteen months from the date of grant of this licence. This testing shall be carried out by the licensee at least once every five 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.

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

## CONDITION 5 WASTE ACCEPTANCE AND HANDLING

- 5.1. No hazardous or liquid wastes shall be accepted at the facility other than at the Civic Waste Facility.
- 5.2. Subject to Condition 5.1, and any requirements of Condition 5.3, only those waste types and quantities listed in Schedule G : Waste Acceptance shall be accepted at the facility unless the prior agreement of the Agency has been obtained.
- 5.3. Waste Acceptance Procedures
  - 5.3.1. The licensee shall maintain detailed written procedures for the acceptance and handling of all wastes.
  - 5.3.2. Each load of waste arriving at the transfer station shall be visually inspected prior to unloading in accordance with "Level 3: On-site Verification" outlined in the Agency's Draft Manual on Waste Acceptance. Any wastes deemed to be in contravention of this licence and/or unsuitable for recovery or disposal at this facility shall be removed for recovery or disposal at an appropriate alternative facility.
  - 5.3.3. All suspect materials identified by the visual inspection of the waste shall be diverted to the Waste Quarantine Area, or other designated area as agreed in advance by the Agency, for further examination and classification. Materials other than those permitted by this licence shall be dispatched to an alternative appropriate facility.
- 5.4. A record of all incoming waste inspections shall be maintained. All wastes shall be checked to ensure they comply with the requirements of this licence. Any wastes deemed to be in contravention of this licence and/or unsuitable for recovery or disposal at this facility shall be removed for recovery or disposal at an appropriate alternative facility. Such waste shall be stored in the Waste Quarantine Area only.
- 5.5. All wastes other than those accepted at the Civic Waste Facility must only be accepted from known customers or new customers subject to initial waste profiling. The written records of this off-site waste profiling shall be retained by the licensee for all active customers and for a two year period following termination of licensee/customer agreements.
- 5.6. The licensee shall submit a written proposal on any proposed new waste processing procedure, along with relevant details, to the Agency for its agreement prior to any such processes or associated works being carried out.
- 5.7. All non-segregated household and industrial and commercial wastes accepted into the Transfer Station for disposal shall be processed within 12 hours unless otherwise agreed in advance with the Agency.
- 5.8. The quantity of wastes to be accepted at the facility shall not exceed 126,000 tonnes per annum unless otherwise agreed in advance with the Agency.
- 5.9. All containers accepted at the facility shall be whole and sound. Any leaking or otherwise ruptured containers shall immediately be overdrummed or the contents transferred to a sound container in a manner which will not adversely affect the environment. Any spillages should be cleaned up so as not to adversely affect the environment or the performance of the oil interceptor.

- 5.10. Waste shall only be accepted/processed at the facility between the hours of 08:00 to 19:00 Monday to Saturdays with the exclusion of Bank Holidays unless otherwise agreed in advance with the Agency.
- 5.11. Storage/Designated Areas
  - 5.11.1. Full or partially full trailers loaded with waste for recovery or disposal shall only be stored within the Transfer Building prior to dispatch.
  - 5.11.2. Baled cardboard shall be stored under roof adjacent to the cardboard baling area.
  - 5.11.3. Unless subject to the prior agreement of the Agency, a maximum of four enclosed waste containers (including sealed containers of compacted waste or fully enclosed collection vehicles containing waste), shall be stored on the facility overnight. These containers shall be stored at areas clearly designated for this purpose.
  - 5.11.4. Within six months of the date of grant of this licence the licensee shall provide separate storage bays for the storage of the recovered construction and demolition waste at the facility.
- 5.12. Scavenging shall not be permitted at the facility.
- 5.13. No smoking shall be allowed in the Waste Transfer Building
- 5.14. The floor of the transfer building will be cleaned of all waste by the end of the working day.
- 5.15. Waste sent off-site for recovery or disposal shall only be conveyed to a waste contractor as agreed with the Agency. The ultimate recovery or disposal facility for all wastes shall be agreed in advance with the Agency. All wastes removed off-site for recovery or disposal shall be transported from the facility to the consignee in a manner which will not adversely affect the environment.
- 5.16. The licensee shall submit proposals within six months of the date of grant of this licence for increasing the separation and recovery of appropriate components of the waste being accepted at the facility to the Agency for its agreement. The licensee shall achieve the targets set out in "Waste Management, Changing Our Ways" (Department of the Environment and Local Government, 1998).
- 5.17. Civic Waste Facility
  - a) The Civic Waste Facility shall be provided and maintained in accordance with Condition 4.11
  - b) Separate receptacles shall be provided for the acceptance of segregated wastes.
  - c) Only waste types as set out in Schedule G shall be accepted at the Civic Waste Facility unless subject to the prior agreement of the Agency.
  - d) 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.

- e) All white goods received at the facility shall be degassed where necessary and subsequently broken down into their constituent components for recovery or disposal.
- f) All waste accepted at the Civic Waste Facility for disposal shall be processed within 12 hours unless otherwise agreed in writing with the Agency.
- g) At the end of the working day the floor of the Civic Waste Facility shall be cleaned of all waste.
- h) Unless subject to the prior written agreement of the Agency, a maximum of 3 enclosed waste containers containing waste for disposal (including sealed containers of compacted waste), shall be stored on the facility overnight. These containers shall be stored at areas clearly designated for the purpose.
- i) Waste shall only be accepted at the Civic Waste Facility between the hours of 08:00 to 17:30 Monday to Saturday unless otherwise agreed in advance with the Agency.

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

## **CONDITION 6 ENVIRONMENTAL NUISANCES**

- 6.1. All waste held for disposal overnight, shall be stored in suitably covered and sealed containers within the waste transfer building. All waste held for disposal shall be removed from the facility within 48 hours, with the exception of waste accepted on the working day prior to a bank holiday when the waste shall be removed during the next working day.
- 6.2. The licensee shall, at a minimum of one week intervals, inspect the facility and its immediate surrounds for nuisances caused by vermin, birds, flies, mud, dust and odours. Written records shall be made of all inspections and any actions taken as a result of these inspections.
- 6.3. 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.
- 6.4. Litter Control
  - 6.4.1. All loose litter accumulated within the facility and its environs shall be removed subject to the agreement of the landowners and appropriately disposed of on a daily basis.
- 6.5. Any waste placed on or in the vicinity of the facility, other than in accordance with the requirements of this licence, shall be removed by the licensee immediately and in any event by 10.00 a.m. of the next working day, after such waste is discovered. Such waste shall be disposed of at an appropriate facility.
- 6.6. The licensee shall ensure that all vehicles delivering waste to and removing waste and materials from the facility are appropriately covered and clean and shall not give rise to offensive odours or other nuisance.
- 6.7. Dust Control

- 6.7.1. 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.
- 6.7.2. Within six months of the date of grant of this licence the licensee shall install and provide adequate measures for the control of odour and dust emissions, including fugitive dust emissions, from the facility. Such measures shall as a minimum include the following:
- (i) Dust curtains shall be maintained on the entry/exit points from the waste transfer building and all other doors in this building shall be kept closed where possible.
  - (ii) Installation and maintenance of a negative pressure ventilation system throughout the building to ensure no significant escape of odours or dust.
  - (iii) Installation of an odour management and abatement system.
  - (iv) Provision of 100% duty capacity, 50% stand by capacity (where appropriate), back ups and spares must be provided for the efficient and effective operation of the air handling, ventilation and abatement plant.
- 6.8. The licensee shall ensure that vermin, birds, flies, mud, dust and odours do not give rise to nuisance at the facility or the immediate area of the facility. Any method used by the licensee to control any such nuisance shall not cause environmental pollution.
- 6.9. The licensee shall implement (i) bird control measures at the facility so as to prevent birds entering the waste transfer building prior to full enclosure of the building, and (ii) a programme for the control and eradication of vermin and fly infestations at the facility. Such measures shall be agreed in advance with the Agency.

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

## **CONDITION 7 EMISSIONS AND ENVIRONMENTAL IMPACTS**

- 7.1. No specified emission from the facility shall exceed the emission limit values set out in Schedule F: Emission Limits of this licence. There shall be no other emissions of environmental significance.
- 7.2. All treatment/abatement and emission control equipment shall be calibrated and maintained, in accordance with the instructions issued by the manufacturer/supplier or installer. Written records of the calibrations and maintenance shall be made and kept by the licensee.
- 7.3. 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.
- 7.4. Emissions to Surface Water
- 7.4.1. Within six months of the date of grant of this licence all emissions to surface water from the facility shall only be made to the stream at the northern boundary of the facility. The licensee shall agree with the Agency a discharge point to this stream.

- 7.4.2. No substance shall be discharged in a manner, or at a concentration which, following initial dilution causes tainting of fish or shellfish.
- 7.4.3. There shall be no visible oil in the discharge .
- 7.5. There shall be no direct emissions to groundwater.
- 7.6. Emissions to Foul Water Drainage System
- 7.6.1. The licensee shall ensure that emissions to the foul water discharge system do not have an adverse impact on the operation of the leachate treatment system in the adjoining Carrowbrowne landfill facility.
- 7.6.2. All foul water shall discharge to foul water drainage system prior to discharge to the leachate lagoon at the Carrowbrowne facility.
- 7.6.3. Monitoring and analyses of discharges to the foul water drainage system shall be carried out as specified in Schedule E.1: Monitoring of foul water discharges.
- 7.6.4. No substance shall be present in foul water discharge 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.
- 7.6.5. The licensee shall permit authorised persons of the Agency and the Sanitary Authority to inspect, examine and test, at all reasonable times, any works or apparatus installed in connection with the discharge or emission and to take samples of the discharge or emission.
- 7.6.6. 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.
- 7.6.7. Non-trade effluent wastewater (e.g. firewater, accidental spillage) which occurs on-site shall not be discharged to the foul water drainage network without the prior authorisation of the Agency and Sanitary Authority.
- 7.6.8. The licensee shall provide and maintain an inspection chamber in a suitable position in connection with each pipe through which the foul water is being discharged. 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.
- 7.6.9. The licensee shall notify the Local Authority and the Agency as soon as is practicable after the occurrence of any one of the following:
- a) any incident with the potential for environmental contamination of surface water or groundwater, or posing a threat to land, or a Sanitary Authority sewer or personnel working in connection with a sewer, or requiring an emergency response by the Local Authority
  - b) any emission which relates to a discharge to sewer which does not comply with the requirements of this licence.

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

## CONDITION 8 RESTORATION AND AFTERCARE

- 8.1. A proposal for a Decommissioning and Aftercare Plan for the facility shall be submitted to the Agency within six months of the date of grant of the licence. The licensee shall update these schemes when required by the Agency and submit amendments to the Agency for its agreement.

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

## CONDITION 9 ENVIRONMENTAL MONITORING

- 9.1. The licensee shall carry out such monitoring and at such locations and frequencies as set out in Schedule E: Monitoring and as specified in the Conditions of this licence.
- 9.2. Within one month of the completion of the surface and foul water drainage systems the licensee shall submit to the Agency for its agreement twelve figure National Grid References for the surface water and foul water monitoring points.
- 9.3. Monitoring Foul Water Discharges
- 9.3.1. The licensee shall provide, install and maintain within six months of the date of grant of this licence, a system for monitoring and recording the foul water discharge volume/flow.
- 9.3.2. Within six months of the date of grant of this licence the licensee shall provide, install and maintain a monitoring point for the representative sampling of the foul water discharge from the facility. A shut-off valve shall be incorporated in the design to stop this discharge if so required.
- 9.3.3. Adequate capacity shall be provided upstream of the shut-off valve for the storage of effluent.
- 9.4. Surface Water Monitoring
- 9.4.1. Within six months of the date of grant of this licence the licensee shall provide, install and maintain a monitoring chamber for the representative sampling of the final surface water discharge from the facility to the stream located at the northern boundary of the site. A shut-off valve shall be incorporated in the design to stop this discharge if so required.
- 9.5. Dust Monitoring
- 9.5.1. Dust deposition monitoring shall be carried out as specified in Schedule E.
- 9.6. Noise Monitoring
- 9.6.1. Noise monitoring as specified in Schedule E shall be carried out on an annual basis during operational hours. The first such monitoring shall be undertaken within six months of the date of the grant of this licence.
- 9.7. The licensee shall provide safe and permanent access to all on-site sampling and monitoring points and off-site points as required by the Agency. All ditches and drains

located around the perimeter of the facility are to be kept clear such that monitoring can be carried out successfully.

- 9.8. The licensee shall maintain all sampling and monitoring points, and clearly label and name (including national grid number) all sampling and monitoring locations, so that they may be used for representative sampling and monitoring.
- 9.9. Monitoring and analysis equipment shall be operated and maintained in accordance with the manufacturers instructions (if any) so that all monitoring results accurately reflect any emission or discharge or environmental parameter.
- 9.10. The licensee shall amend the frequency, locations, methods and scope of monitoring, sampling, analyses and investigations only upon the written instruction of the Agency and shall provide such information concerning such amendments as may be requested in writing by the Agency. Such alterations shall be carried out within any timescale nominated by the Agency.
- 9.11. Unless otherwise agreed with the Agency, a written record shall be kept of the names, qualifications and a summary of relevant experience of all persons who carry out all sampling and monitoring as required by this licence and who carry out the interpretation of the results of such sampling and monitoring.
- 9.12. Unless otherwise specified by this licence or agreed by the Agency, all environmental monitoring shall commence no later than two months after the date of grant of this licence.

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

## CONDITION 10 CONTINGENCY ARRANGEMENTS

- 10.1. The licensee shall, within six months of the date of grant of this licence, submit a written Emergency Response Procedure (ERP) to the Agency for its agreement. The ERP shall address any emergency situations which may originate on the facility and shall include provision for minimising the effects of any emergency on the environment.
- 10.2. The licensee shall have in storage an adequate supply of containment booms and/or suitable absorbent material to contain and absorb any spillage at the facility. Once used the absorbent material shall be disposed of at an appropriate facility.
- 10.3. All significant spillages occurring at the facility shall be treated as an emergency and immediately cleaned up and dealt with so as to alleviate their effects.
- 10.4. No waste shall be burned within the boundaries of the facility. A fire at the facility shall be treated as an emergency. Immediate action shall be taken to extinguish it and the appropriate authorities notified.
- 10.5. The licensee shall carry out a risk assessment to determine the requirements at the facility for fire fighting and fire water retention facilities and shall, within six months from the date of grant of this licence submit a report, including recommendations on the risk assessment to the Agency for its agreement.
- 10.6. In the event of a complete breakdown of equipment or any other occurrence which results in the closure of the transfer station building, any putrescible waste arriving at or already collected at the facility shall be transferred directly to appropriate landfill sites or any other appropriate facility until such time as the 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.

- 10.7. Unless otherwise notified in writing by the Agency in the event that any monitoring, sampling or observations indicate that an incident has, or may have, taken place, the licensee shall immediately:
- a) identify the date, time and place of the incident;
  - b) carry out an immediate investigation to identify the nature, source and cause of the incident and any emission;
  - c) isolate the source of the emission;
  - 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 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.

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

## CONDITION 11 CHARGES AND FINANCIAL PROVISIONS

### 11.1 Agency Charges

- 11.1.1 The licensee shall pay to the Agency an annual contribution of £8,695 (Euro 11,040) 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 2001 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 2000, the licensee shall pay a pro rata amount from the date of this licence to 31<sup>st</sup> December 2000. 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 or decreased 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 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.
- 11.2.2 Within nine months of the date of grant of this licence, the licensee shall make a Proposal for Financial Provision to the Agency for its agreement to cover any liabilities incurred by the licensee in carrying on the activities to which this licence relates. Such provision shall be maintained by the licensee unless otherwise agreed by the Agency.
- 11.2.3 The amount of financial provision, held under Condition 11.2.2 shall be reviewed and revised as necessary, but at least annually. Any proposal for such a revision shall be submitted to the Agency for its agreement.
- 11.2.4 The licensee shall within two weeks of purchase, renewal or revision of the financial provision required under Condition 11.2.2, forward to the Agency written proof of such indemnity.

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

# SCHEDULE A :Content of the Environmental Management Programme

## Environmental Management Programme

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

Timescale for achieving the objectives and targets listed in the Schedule of Objectives and Targets

Designation of Responsibility for Achieving Targets and Objectives

Other items specified by the Agency

# SCHEDULE B :Content of the Annual Environmental Report

## Annual Environmental Report Content

Reporting Period.

Waste activities carried out at the facility.

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

Report on achievement of the targets set out for, (i) reduction of biodegradable wastes, (ii) reduction of packaging wastes, (iii) recovery of construction and demolition waste and (iv) recovery of household and industrial and commercial wastes.

Projected quantities and types of waste to be received, disposed of, and recovered during the following year.

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)

Reported Incidents and Complaints summaries.

Review of nuisance and emission controls, and their effectiveness for projected waste quantities to be processed in the following year.

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

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

Resource and energy consumption summary.

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

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

Any other items specified by the Agency.

## SCHEDULE C :Recording and Reporting to the Agency

Table C.1 Recurring Reports

Report	Reporting Frequency <small>Note1</small>	Report Submission Date
<b>Environmental Management System Updates</b>	Annually	One month after the end of the year reported on.
<b>Annual Environment Report (AER)</b>	Annually	Thirteen months from the date of grant of licence and one month after the end of each year thereafter.
<b>Record of incidents</b>	As they occur	Within five days of the incident.
<b>Specified Engineering Works reports</b>	As they arise	Prior to the works commencing.
<b>Bund, tank and container integrity assessment</b>	Every three years	Six months from the date of grant of licence and one month after end of the three year period being reported on.
<b>Underground pipe and tank integrity assessment</b>	5 yearly	Eighteen months from the date of grant of licence and one month after end of the year being reported on.
<b>Monitoring of emissions to surface water</b>	Quarterly	Ten days after end of the quarter being reported on.
<b>Monitoring of emissions to sewer</b>	Quarterly	Ten days after end of the quarter being reported on.
<b>Noise Monitoring</b>	Annually	One month after the completion of the monitoring.
<b>Dust Monitoring</b>	Three times a year	One month after the completion of the monitoring.
<b>Any other monitoring</b>	As they occur	Within ten days of obtaining results.

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

## SCHEDULE D :Specified Engineering Works

Specified Engineering Works
Development of waste storage areas.
Development of transfer building.
Installation of Waste Inspection and Waste Quarantine Areas
Installation of sumps or other drainage controls.
Installation of surface water monitoring systems.
Installation of foul water monitoring systems.
Installation of bunded fuel storage areas.
Installation of increased waste processing capacity.
Installation of waste processing or other equipment.
Installation of any noise, odour or dust abatement equipment
Any other works notified by the Agency.

## SCHEDULE E :Monitoring

Monitoring to be carried out as specified below.

### **E.1: Monitoring of Foul Water Discharges**

Monitoring of foul water discharges shall be at a monitoring location to be agreed with the Agency as per Condition 9.3.

Table E.1.1 Foul Water Discharges Monitoring Locations

STATION
FW-1

Table E.1.2 Monitoring Parameters and Frequencies of Foul Water Discharges

Parameter	Monitoring Frequency	Sampling Method/Type
<b>Ammonia</b>	Quarterly	Grab
<b>BOD</b>	Quarterly	Grab
<b>COD</b>	Quarterly	Grab
<b>Suspended Solids</b>	Quarterly	Grab
<b>Fats, Oil, Grease</b>	Quarterly	Grab
<b>Temperature</b>	Quarterly	Grab
<b>Ph</b>	Quarterly	Grab
<b>Flow to Sewer</b>	Daily <sup>Note 1</sup>	
<b>Detergents (as MBAS)</b>	Quarterly	Grab

**Note 1: To be estimated fortnightly until agreed monitoring system has been installed as per Condition 9.3.1**

### E.2: Dust

Dust monitoring shall be carried out at dust monitoring locations D1, D2, D3, D4 as shown in Drawing No. 702140/9/3 of the application.

Table E.2.1 Dust Monitoring Frequency and Technique

Parameter (mg/m <sup>2</sup> /day)	Monitoring Frequency	Analysis Method/Technique
Dust	Three times a year <sup>Note 2</sup>	Standard Method <sup>Note 1</sup>

**Note 1:** Standard method VDI2119 (Measurement of Dustfall, Determination of Dustfall using Bergerhoff Instrument (Standard Method) German Engineering Institute). A modification (not included in the standard) which 2 methoxy ethanol may be employed to eliminate interference due to algae growth in the gauge.

**Note 2:** Twice during the period May to September, or as otherwise specified in writing by the Agency.

### E.3: Noise

Noise monitoring locations shall be carried out at noise monitoring locations P1, P2, P3, P4, P5 and P6 as shown in Drawing No. 702140/9/3 of the application.

Table E.3.1 Noise Monitoring Frequency and Technique

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

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

### E.4: Surface Water

Surface Water monitoring locations shall be those as set out in Table E.4.1 and Drawing No. 702140/9/3 of the application.

Table E.4.1 Surface Water Monitoring Locations

STATION
SD-1 <sup>Note 1</sup>
SW-3
SW-4

Note 1 – SD-1 to be agreed as per Condition 9.5.1

Table E.4.2 Surface Water Monitoring Parameters and Frequencies

Parameter	Monitoring Frequency	Analysis Method/Technique
Visual Inspection	Weekly	Not applicable
Ammoniacal Nitrogen	Quarterly	ISE / Colorimetry
BOD	Quarterly	Electrometry / Titrimetry with nitrification inhibitor
COD	Quarterly	Digestion + Colorimetry/Titrimetry
Chloride	Quarterly	Colorimetry / Ion Chromatography
Fats, Oils and Greases	Quarterly	Standard Methods <sup>Note 1</sup>
Electrical Conductivity	Quarterly	Electrometry
Ph	Quarterly	Electrometry
Total Suspended Solids	Quarterly	Gravimetry
Temperature	Quarterly	Thermometry

Note 1 - "Standard Methods for the Examination of Water and Wastewater", (prepared and published jointly by A.P.H.A., A.W.W.A. & W.E.F.) 19<sup>th</sup> Ed. 1995, American Public Health Association, 1025 Fifteenth Street, N.W., Washington DC 20005, USA.

## SCHEDULE F :Emission Limits

**F.1 Dust Deposition Limits:** (Measured at the monitoring points indicated in Schedule E)

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

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

**F.2 Noise Emissions:** (Measured at the monitoring points indicated in Schedule E)

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

**F.3 Emissions to Surface Water:** (Measured at the monitoring point, SD-1)

Parameter	Emission Limit Value (mg/l)
BOD	20
Suspended Solids	30
Fats, Oils and Greases	10
pH	6-9

**F.4 Discharges to Foul Water Drainage System** (Measured at the monitoring point, FW-1)

Maximum volume to be discharged in any one day: 10m<sup>3</sup>

## SCHEDULE G : Waste Acceptance

### G.1 Waste Acceptance

Table G.1 Waste Categories and Quantities acceptable at Transfer Station.

WASTE TYPE	MAXIMUM TONNES PER ANNUM
Household	55,500
Commercial & Industrial	40,500
Construction & Demolition	30,000
<b>TOTAL</b>	<b>126,000</b>

Table G.2 Waste Categories acceptable at Civic Waste Facility

Glass, Textiles, Paper/Cardboard, Plastic, Ferrous and Non- Ferrous metals, Garden Waste, White Goods, Wood, Hazardous Household Waste, Household Construction and Demolition Wastes, other waste types as agreed with the Agency

**Signed on behalf of the said Agency**

on the 15th day of **November, 2000**

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Breda Sheehan

**Authorised Person**