



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

## WASTE LICENCE

<b>Waste Licence</b>	44-1
<b>Register Number:</b>	
<b>Licensee:</b>	Padraig Thornton Waste Disposal Ltd.
<b>Location of Facility:</b>	Thornton's Recycling Centre, Killeen Road, Ballyfermot, Dublin 10.

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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.

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 Environmental Protection Agency (the Agency), under Section 40(1) of the said Act hereby grants this Waste Licence to Padraig Thornton Waste Disposal Ltd., to carry on the waste activities listed below at Thornton's Recycling Centre, Killeen Road, Ballyfermot, Dublin 10, subject to 11 No. 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.
- Class 13:* Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.

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

- Class 2:* Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes).
- Class 3:* Recycling or reclamation of metals and metal compounds.
- Class 4:* Recycling or reclamation of other inorganic materials.
- Class 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.

# 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>Agreed</b>	Agreed in writing
<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>BATNEEC</b>	Best Available Technology Not Entailing Excessive Cost as defined in section 5 (2) of the Act.
<b>Bi-annually</b>	All or part of a period of six consecutive months.
<b>Biodegradable waste</b>	Any waste that is capable of undergoing anaerobic or aerobic decomposition, such as food and garden waste, and paper and paperboard.
<b>Building Number 1</b>	As shown in Drawing Number 500-100, Revision B, titled "Site Layout Plan", of the application.
<b>Building Number 2</b>	As shown in Drawing Number 500-100, Revision B, titled "Site Layout Plan", of the application.
<b>Building Number 3</b>	As shown in Drawing Number 500-100, Revision B, titled "Site Layout Plan", of the application.
<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 0000 hours to 2400 hours.
<b>Daytime</b>	0800 hours to 2200 hours.
<b>Documentation</b>	Any report, record, result, data, drawing, proposal, interpretation or other document in written or electronic form which is required by this licence
<b>Drawing</b>	Any reference to a drawing or drawing number means a drawing or drawing number contained in the application, unless otherwise specified in this licence.
<b>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 G.
<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>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>Industrial 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>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>	Padraig Thornton Waste Disposal Ltd., Thornton's Recycling Centre, Killeen Road, Ballyfermot, Dublin 10.
<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 20% dry matter other than Road Cleansing Waste
<b>Maintain</b>	Keep in a fit state, including such regular inspection, servicing and repair as may be necessary to adequately perform its function.
<b>Mobile Plant</b>	Self-propelled machinery used for the emplacement of wastes or for the construction of specified engineering works
<b>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>	2200 hrs to 0800 hrs.
<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, eg. 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>Road Cleansing Waste</b>	Nominally this refers to waste collected by mechanised pavement cleaning vehicles and gully emptyings.
<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>	Dublin Corporation

<b>Sediment Trap</b>	A vessel designed to reduce the suspended solids concentration of a liquid passed through it. Variously referred to as “Silt Trap” and “Silt Collection Chamber” in the application.
<b>Sludge</b>	The accumulation of solids resulting from chemical coagulation, flocculation and/or sedimentation after water or wastewater treatment.
<b>Specified Emissions</b>	Those emissions listed in Schedule G of this licence.
<b>Specified Engineering Works</b>	Those engineering works listed in Schedule E 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>Unacceptable waste</b>	As defined in Condition 5.1 of this licence.
<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>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</b>	8.00 a.m. to 7.00 p.m. 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 Schedule A and required by the licence.
- 1.2 Waste activities shall be restricted to the area of land outlined in red on Drawing No. 500-100, revision B, titled "Site Layout Plan" 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 2.8 below:



## 2.2 Schedule of Environmental Objectives and Targets

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

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

## 2.3 Environmental Management Programme

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

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

## 2.4 Corrective Action

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

## 2.6 Management Structure

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

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

## 2.7 Communications

- 2.7.1 Within twelve months from the date of grant of this licence, the licensee shall submit for agreement to the Agency a Communications Programme to ensure that members of the public can obtain information concerning the environmental performance of the facility at all reasonable times.
- 2.8 Annual Environmental Report
- 2.8.1 The licensee shall submit to the Agency for its agreement, within twelve months from the date of grant of this licence, and within one month of the end of the year thereafter, an Annual Environmental Report (AER).
- 2.8.2 The AER shall include as a minimum the information specified in Schedule C: Content of Annual Environmental Report and shall be prepared in accordance with any relevant written guidance issued by the Agency.
- 2.9 The licensee shall employ a suitably qualified and experienced facility manager who shall be designated as the person in charge. The facility manager or a suitably qualified and experienced deputy, shall be present at all times during the operation of the facility.
- 2.10 The licensee shall ensure that personnel performing specifically assigned tasks shall be qualified on the basis of appropriate education, training and/or experience, as required and shall be aware of the requirements of this licence.

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

### **CONDITION 3 NOTIFICATION AND RECORD KEEPING**

- 3.1 The licensee shall make written records of the following incidents:
- a) any emission which results in the contravention of any relevant standard, including any standard for an environmental medium, or any relevant emission limit value, prescribed under any relevant enactment;
  - b) any emission which does not comply with the requirements of this licence;
  - c) any trigger level specified in this licence or in the EMS which is attained or exceeded;
  - d) any test failures of waste samples taken;
  - e) any malfunction of any environmental control system;
  - f) any indication that contamination has, or may have, taken place;
  - g) the cessation of waste activities at the facility for a period in excess of 28 days, and their recommencement;
  - h) any occurrence with the potential for environmental pollution; and,
  - i) any emergency.
- 3.2 The written record shall include those aspects described in (a-e) of Condition 10.7.

- 3.3 Unless otherwise instructed in writing by the Agency, the licensee shall:
- a) notify the Agency by telephone, and by facsimile if available, as soon as practicable and in any case not later than 10.00 am the following working day after the occurrence of any incident; and
  - 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.
- 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) be identified by a unique code, indicate any modification or amendment, and be correctly dated to reflect any such modification or amendment;
  - e) be submitted in accordance to the relevant reporting frequencies specified by this licence;
  - f) be certified as accurate and representative by the licensee; and
  - g) in the case of results of any environmental monitoring, be accompanied by a written interpretation setting out their significance.
- 3.6 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 D to this licence.
- 3.7 In the event of any incident which relates to discharges to surface water, the licensee shall notify the Local Authority and the Eastern Fisheries Board as soon as practicable by telephone and in writing (by facsimile if available) and in any case not later than 10:00am on the following working day after such an incident.
- 3.8 In the event of any incident which relates to discharges to foul sewer, the licensee shall notify the Sanitary Authority as soon as practicable by telephone and in writing (by facsimile if available) and in any case not later than 10:00am on the following working day after such an incident.
- 3.9 Unless otherwise agreed with the Agency, all documentation required to be maintained under this licence shall be retained by the licensee.
- 3.10 Unless otherwise agreed in advance with the Agency, the licensee must give at least fourteen days notice to the Agency of the following events:
- a) the cessation of waste disposal activities at the facility for a period in excess of twenty-eight days;
  - b) the re-commencement of waste disposal activities at the facility following a period of cessation referred to at a) above.

- 3.11 The licensee shall provide additional copies of any documentation referred to in this licence to the Agency upon written request, within the time specified in writing by the Agency.
- 3.12 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) any previous waste licence in respect of the facility;
  - c) the current EMS for the facility;
  - d) the previous year's AER for the facility;
  - e) all written procedures produced by the licensee which relate to the licensed activities;
  - f) records of waste contractors delivering waste to the facility.
- 3.13 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. The licensee shall record the following:
- a) the name of the carrier;
  - b) the vehicle registration number;
  - c) the name of the producer(s)/collector(s) of the waste and their waste permit number(s) as appropriate;
  - d) a description of the waste including the appropriate EWC code in the case of industrial wastes;
  - e) the quantity of the waste accepted at or departing from the facility, as appropriate, recorded in tonnes;
  - f) the name of the person checking the load;
  - g) where loads or wastes are removed or rejected, details of the date of occurrence, the types of waste and the facility to which they were removed;
  - h) the destination of the load (facility name and waste licence/permit number as appropriate);
  - i) the time and date of departure/arrival; and
  - j) any other information which might be required from time to time subject to prior agreement with the Agency.
- 3.14 The licensee shall maintain a written record of all complaints relating to the operation of the activity. Each such record shall give details of the following:
- a) date and time of the complaint;
  - b) the name of the complainant;
  - c) details of the nature of the complaint;
  - d) actions taken on foot of the complaint and the results of such actions; and,
  - e) the response made to each complainant.

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

## CONDITION 4 SITE INFRASTRUCTURE

4.1 The licensee shall establish all infrastructure referred to in this licence as instructed by the Agency.

### 4.2 Site Notice Board

4.2.1 Within three months of the date of grant of this licence, a Site Notice Board shall be provided and maintained by the licensee on the facility, so that it is legible to persons outside the main entrance to the facility. The minimum dimensions of the identification board shall be 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 if different from (c) above;
- 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 Within three months of the date of grant of this licence, a proposal for site security shall be submitted to the Agency for its agreement.

4.3.2 Within nine months of the date of grant of this licence the licensee shall provide and maintain facility boundary fencing.

4.3.3 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.

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

### 4.4 Site Roads and Hardstanding

4.4.1 The licensee shall provide, locate and maintain an impermeable hardstanding surface in all areas of the facility where vehicle movement or parking and waste handling or storage (including storage of empty containers) occurs.

4.4.2 The licensee shall, within nine months of the date of grant of this licence, submit to the Agency for its agreement a traffic management plan for the facility.

Subsequent alterations to this traffic management plan will be subject to the agreement of the Agency.

- 4.4.3 The licensee shall, within nine months of the date of grant of this licence, provide a wheelwash at the facility. Drainage from the wheelwash shall be diverted to foul sewer.

#### 4.5 Facility Layout

- 4.5.1 The Office/Garage/Skip Workshop Building, Buildings Number 1, 2 and 3, Skip Administration and Skipeater Administration Portacabins, the canteen, the toilet/shower block, car parking spaces as shown in Drawing Number 500-100, Revision B, titled "Site Layout Plan" of the application. The Roadsweeper Discharge Area shall be established and maintained as set out in Drawing Number 500-100, Revision B, titled "Site Layout Plan" of the application subject to any alteration(s) agreed in advance by the Agency.
- 4.5.2 The office shall be constructed and maintained in a manner suitable for the processing and storing of documentation.
- 4.5.3 The licensee shall provide and maintain a working telephone and facsimile machine in the office specified in Condition 4.5.1 above.
- 4.5.4 The licensee shall submit as built drawings of Buildings Number 2 and 3 to the Agency within three months of the date of grant of the licence. These drawings shall, inter alia, indicate the slope of the floors and the drainage arrangements for any liquid run-off arising within these buildings.
- 4.5.5 A waste quarantine area shall be provided and maintained within nine months of the date of grant of this licence. The licensee shall ensure that this area shall be constructed and maintained in a manner suitable and be of a size appropriate for the inspection of waste and subsequent quarantine if required. The waste inspection area and the waste quarantine area shall be suitably and clearly segregated from each other.

#### 4.6 Weighbridge

- 4.6.1 A weighbridge shall be provided at the location shown in Drawing Number 500-100, Revision B, titled "Site Layout Plan" of the application, and referred to therein as "Existing Weigh Bridge", and shall be maintained in such condition as to accurately measure the weight of all vehicles using it. The accuracy of the weighbridge shall be tested and demonstrated by the licensee and shall be reported to the Agency within six months from the date of grant of this licence. Thereafter, the weighbridge shall be tested to the manufacturer's specifications and reported to the Agency. A written record of such tests and any maintenance or remedial work arising from them shall be maintained by the licensee. A second weighbridge, at the location shown in Drawing Number 500-100, Revision B, titled "Site Layout Plan" of the application, and referred to therein as "Proposed New Weigh Bridge", may be installed subject to the agreement of the Agency.
  - 4.6.2 A weighbridge control office, as shown in Drawing Number 500/06, titled "Checkers Kiosk Plan and Elevations", and Drawing Number 500/07, titled "Checkers Kiosk Cross-Section", of the application shall be provided at the location shown as the "Weighbridge Office" in Drawing Number 500-100, Revision B, titled "Site Layout Plan" of the application within nine months of the date of grant of this licence.
- 4.7 A wash bay and steam cleaner shed shall be maintained as shown in Drawing Number 500-100, Revision B, titled "Site Layout Plan" of the application unless agreed otherwise by the Agency.

#### 4.8 Fuel and Liquid Storage

- 4.8.1 Within nine months of the date of grant of this licence, all tank and drum storage areas (including those for waste oil, diesel, engine oil, hydraulic oil, heating oil, paraffin and cleaning materials for use in the Wash Bay, but excluding mobile plant) shall be rendered impervious to the materials stored therein. In addition, 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.
- 4.8.2 All drainage from bunded areas shall be diverted for collection and safe disposal.
- 4.8.3 All inlets, outlets, vent pipes, valves and gauges must be within the bunded area.
- 4.8.4 The integrity and water tightness of the fuel storage bunds 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 from 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.
- 4.8.5 All tanks and containers shall be labelled to clearly indicate their contents (nature of material stored therein and vessel volume).
- 4.8.6 All tanks and containers shall be secured against unauthorised access.
- 4.9 The storm and foul sewer systems shall be established and maintained as set out in Drawing Number 500-100, Revision B, titled "Site Layout Plan" of the application subject to any alterations agreed in advance by the Agency.
- 4.10 All liquid run-off from the floors of waste processing areas (Roadsweeper Discharge Area and Buildings Number 1,2 and 3) shall only discharge to foul sewer.
- 4.11 Within nine months of the date of grant of this licence, the licensee shall provide and maintain such protective measures as are necessary, and as agreed with the Agency, to prevent contamination of groundwater via the borehole located in the north-east corner of the facility as shown in Drawing number 500-100, Revision B, titled "Site Layout Plan" of the application.
- 4.12 The surface water drainage from the area adjacent to the entrance gate, indicated as "pipeline to be investigated" on Drawing Number 500-100, Revision B, titled "Site Layout Plan" of the application, shall be directed to the SW.1 discharge point within nine months of the grant of this licence unless agreed otherwise by the Agency.
- 4.13 Within nine months of the date of grant 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 within one week of such alterations.
- 4.14 All new foul sewer and storm water cut-off valves shall be labelled in situ within one month of their installation. All foul sewer and storm water cut-off valves in existence on

the date of grant of this licence shall be labelled in situ within three months of the date of grant of this licence. The label shall indicate the purpose of the shut-off valve and the open/closed positions for each valve.

#### 4.15 Sediment Traps

4.15.1 Within nine months of the date of grant of this licence, the licensee shall submit details of all sediment traps shown in Drawing Number 500-100, Revision B, titled "Site Layout Plan" of the application other than those specified in Conditions 4.18 and 4.19, including their inflow/outflow arrangements, for the agreement of the Agency.

4.15.2 Within three months of the date of grant of this licence, the licensee shall submit a procedure for the maintenance of the various sediment traps on the facility for the agreement of the Agency.

4.16 The drainage system, bunds, sediment 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 at an appropriate facility. 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. This record shall be made available for inspection at all reasonable times by authorised officers from Dublin Corporation.

4.17 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.

#### 4.18 Road Sweeper Discharge Area

4.18.1 The area for tipping road cleansing waste shall be located and maintained as shown in Drawing Number 500-100, Revision B, titled "Site Layout Plan" of the application, unless agreed otherwise by the Agency.

4.18.2 Within nine months of the grant of this licence, a full retention, Class 2 separator and associated sediment trap shall be provided for the discharge from the Road Sweeper Discharge Area.

#### 4.19 Surface Water

4.19.1 Within nine months of the date of grant of this licence, the licensee shall provide a sediment trap followed downstream by an oil separator (Class 1, full retention based on a rainfall intensity of 50 millimetres per hour, minimum retention time of six minutes) on the surface water discharge pipe to SW.1 subject to Condition 7.7.3.

4.19.2 The licensee shall provide, install and maintain, within nine months of the date of grant of this licence, a monitoring point for the representative and safe sampling of the final surface water discharge from the facility, other than clean water run-off from the roof of Building Number 1, through SW.1 to the storm drain as shown in Drawing number 500-100, Revision B, titled "Site Layout Plan" of the application. Upon installation, a 12 digit National Grid Reference for this monitoring point shall be forwarded to the Agency.



- 4.19.3 A shut-off valve shall be provided downstream of this oil separator within nine months of the date of grant of this licence in order to stop this discharge if so required.
- 4.20 The licensee shall provide, install and maintain within nine months of the date of grant of this licence, monitoring points for the representative and safe sampling of the final effluent discharge from the facility to the Sanitary Authority foul sewer at F1 and F2 as shown in Drawing number 500-100, Revision B, titled "Site Layout Plan" of the application. A cut-off valve shall be incorporated in each design in order to stop this discharge if so required. Upon installation, 12 digit National Grid References for these monitoring points shall be forwarded to the Agency.
- 4.21 Within nine months of the date of grant of this licence the licensee shall provide, install and maintain a system for the detection of a fire inside Buildings Number 1, 2 and 3. Once installed a written record shall be kept of the inspections, testing and maintenance of this system.
- 4.22 Within six months of the date of grant of this licence, the licensee shall provide, install and maintain a system for the control of dust within Buildings Number 1 and 2. Once installed a written record shall be kept of the inspections, testing and maintenance of this system.
- 4.23 The licensee shall provide and use adequate lighting during the operation of the facility in hours of darkness.
- 4.24 Landscape Proposals
- 4.24.1 Within nine months of the date of grant of this licence, the licensee shall submit to the Agency, for its agreement, landscape planting proposals for boundary screening. These proposals shall include details on (but not limited to):
- a) the time-frame for landscaping works in relation to site development;
  - b) species composition and the suitability of the hedge/tree mix for the area;
  - c) total area(s) to be planted;
  - d) planting method and fertiliser requirement;
  - e) tree protection; and
  - f) post planting management.
- 4.24.2 The licensee shall update these proposals when required in writing by the Agency and submit the proposed amendments to the Agency for its agreement.
- 4.25 Specified Engineering Works
- 4.25.1 The licensee shall submit written proposals for all Specified Engineering Works, as defined in Schedule E: Specified Engineering Works, to the Agency for its agreement prior to any such works being carried out. No such works shall be carried out without the prior agreement of the Agency.
- 4.25.2 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.
- 4.25.3 Following the completion of all specified engineering works, the licensee shall submit a construction quality assurance validation report to the Agency. The validation report shall include the following information
- a) a description of the works;
  - b) as-built drawings of the works;

- c) records and results of all tests carried out (including failures);
- d) where relevant a drawing and sections showing the location of all samples and tests carried out;
- e) daily records sheets/diary;
- f) name(s) of contractor(s)/individual(s) responsible for undertaking the engineering works;
- g) name(s) of 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;
- i) any other information requested in writing by the Agency; and
- j) a comprehensive drawing of the entire facility drainage network including foul sewerage, surface water drainage, fuel, raw material and waste storage locations, waste quarantine area, monitoring stations, cut-off valves, underground services such as electricity cables and their associated manhole covers, vehicle wash area, oil separators, gullies, manhole covers, buildings, truck parking area, pumps, et cetera.

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

## CONDITION 5 WASTES MANAGEMENT

- 5.1 No hazardous wastes or liquid wastes shall be accepted at the facility.
- 5.2 Subject to Condition 5.1 and the waste types listed in Schedule H, the following wastes only shall be accepted at the transfer station: municipal waste, construction and demolition waste, road cleansing wastes, commercial and industrial waste of similar composition to municipal waste.
- 5.3 All industrial waste accepted at the facility shall be classified according to the European Waste Catalogue code prior to its acceptance at the facility.
- 5.4 Within six months of the date of grant of this licence, the licensee shall submit to the Agency for its agreement written procedures for the acceptance of waste.
- 5.5 The licensee shall within six months of the date of grant of this licence submit a written procedure for the management of unacceptable wastes received at the facility for the agreement of the Agency. This procedure will detail unacceptable waste types, handling procedures, waste quarantine procedures, record keeping and levels of staff responsibility
- 5.6 Clients
  - 5.6.1 There shall be no casual public access to the facility.
  - 5.6.2 Within six months of the date of grant of this licence, the licensee shall submit to the Agency for its agreement, a written procedure for vetting waste contractors delivering waste to the facility.
- 5.7 Waste arriving at the facility shall be weighed, documented and directed to its appropriate location, depending on its nature, within the facility. Any waste deemed unsuitable and/or in contravention of this waste licence shall be immediately separated

and at the earliest possible time removed for recovery or disposal at an appropriate alternative facility.

- 5.8 Waste processing at this facility may only employ the plant as specified in the application unless agreed otherwise by the Agency. 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. Building Number 3 cannot be used for the processing or handling of waste until a proposal for its use has been submitted to the Agency for its agreement.
- 5.9 The licensee shall, within nine months of the date of grant of this licence, submit proposals to the Agency, for its agreement, regarding the separation and recovery of appropriate components of the waste being accepted at the facility.
- 5.10 Waste accepted at the facility, other than waste which will be subjected to a licensed waste recovery activity, shall be tipped and reloaded only in Building Number 1.
- 5.11 Woodchipping and the temporary storage of the resultant chipped wood shall only occur within the confines of Building Number 2.
- 5.12 Construction and Demolition waste processing and the temporary storage of the resultant materials shall only occur within the confines of Building Number 2.
- 5.13 Confidential paper shredding shall be operated and maintained as described in Attachment D.3 of the additional information submitted to the Agency on the 10th July 1998 unless agreed otherwise by the Agency.
- 5.14 Road cleansing waste shall only be deposited in the "Roadsweeper Discharge Area" as shown in Drawing Number 500-100, Revision B, titled "Site Layout Plan" of the application. This waste type shall only be accepted from operators agreed by the Agency.
- 5.15 The quantity of wastes to be accepted at the facility shall not exceed 150,000 tonnes per annum unless otherwise agreed in advance with the Agency.
- 5.16 Waste shall only be handled at the facility between the hours of 8am and 7pm, Monday to Saturday, unless otherwise agreed in advance by the Agency.
- 5.17 No waste shall be placed, or allowed to accumulate outside Building Number 1, Building Number 2 and Building Number 3 other than road cleansing waste or the contents of facility sediment traps placed in the Roadsweeper Discharge Area or recovered materials within fully enclosed trailers/containers subject to the Agreement of the Agency, and waste within fully enclosed trailers/containers during the working day.
- 5.18 Scavenging shall not be permitted at the facility.
- 5.19 No smoking shall be allowed on the facility other than in the Canteen, Weighbridge Office, Skip Administration or Skipeater Administration Portacabins or Office as shown on Drawing number 500-100, Revision B, titled "Site Layout Plan" of the application.
- 5.20 No waste shall be burned or otherwise combusted at the facility.
- 5.21 All wastes removed off site for recovery or disposal shall only be conveyed by an authorised contractor, as agreed with the Agency, and shall be transported from the facility to the consignee, as agreed with the Agency, in a manner which will not adversely affect the environment.
- 5.22 At the end of the working day the ground floor of Building Number 1 shall be cleaned of all waste.

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

## **CONDITION 6 ENVIRONMENTAL NUISANCES**

- 6.1 All waste for disposal shall be removed from the facility within forty eight hours of its arrival on site.
- 6.2 The licensee shall, at a minimum of one week intervals, inspect the facility and its immediate surrounds for nuisances caused by vermin and odours. Written records shall be made of all inspections and any actions taken as a result of these inspections.
- 6.3 All loose litter accumulated within the facility and its environs shall be removed and appropriately disposed of on a daily basis.
- 6.4 Any waste placed on or in the vicinity of the facility, other than in accordance with the requirements of this licence, shall be removed by the licensee immediately, and in any event by 10:00am of the next working day, when such waste is discovered. Such waste shall be disposed of at an appropriate facility.
- 6.5 The road network / public highway in the vicinity of the facility shall be kept free from any debris caused by vehicles entering or leaving the facility. Any such debris or deposited materials shall be removed without delay.
- 6.6 The open yard areas of facility, as shown in Drawing number 500-100, Revision B, titled "Site Layout Plan" of the application, shall be kept in a tidy and mud-free manner. When a roadsweeper machine is employed to achieve this target, its resultant contents shall only be deposited in the "Roadsweeper Discharge Area" as shown in Drawing Number 500-100, Revision B, titled "Site Layout Plan" of the application.
- 6.7 The licensee shall ensure that all vehicles delivering and removing waste from the facility are adequately secured to prevent spillage.
- 6.8 The licensee shall ensure that vermin do not give rise to nuisance at the facility or the immediate environment of the facility. The licensee shall submit a proposal for a Vermin Control Plan to the Agency for its agreement within three months of the date of grant of this licence. The plan will be implemented upon such agreement. The objective of the plan is to ensure that vermin do not give rise to nuisance at the facility or the immediate environment of the facility.
- 6.9 The licensee shall ensure that all operations on site shall be carried out in a manner such that air emissions and/or odours do not result in significant impairment of, or significant interference with amenities or the environment beyond the site boundary.

**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 G: Emissions 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 Noise Emissions
- 7.4.1 There shall be no clearly audible tonal or impulsive component in the noise emissions from the activity at the facility boundary.
- 7.5 The licensee shall within six months of the date of grant of this licence submit a proposal for a procedure to control dust emissions, including fugitive dust emissions, from the facility for the agreement of the Agency. This procedure will, inter alia, detail control techniques and levels of staff responsibility. The procedure will be implemented upon such agreement. Thereafter, the Agency may request the submission of a review of this procedure for its agreement.
- 7.6 There shall be no direct or indirect emissions to groundwater.
- 7.7 Discharges to Surface Water
- 7.7.1 With the exception of clean water run-off from roofs, discharges to surface water shall only be made at the locations SW.1 and to the manhole adjacent to an oil separator and a gate which leads onto Kylemore Park North road as shown in Drawing number 500-100, Revision B, titled "Site Layout Plan" of the application. The latter discharge shall be henceforth known as SW.2. The clean water run-off from the roofs may discharge at another location directly to storm water drainage subject to the agreement of the Agency.
- 7.7.2 Only clean water run-off from the roofs of Buildings Number 2 and 3 shall discharge to SW.2 unless agreed otherwise by the Agency. The licensee shall forward a 12 digit National Grid Reference for monitoring this discharge to the Agency for its agreement within three months of the date of grant of this licence.
- 7.7.3 All surface water discharges through SW.1, other than clean water run-off from the roof of Building Number 1, shall first pass through a sediment trap followed by an oil separator prior to discharge.
- 7.7.4 There shall be no visible oil in the discharges.
- 7.8 Discharges to Sewer
- 7.8.1 Discharges to Sewer shall only be made at the locations F.1 and F.2 as shown in Drawing number 500-100, Revision B, titled "Site Layout Plan" of the application.
- 7.8.2 No emission to sewer shall take place which gives rise to any reaction within the sewer or to the liberation of by-products which may be of environmental significance. In particular the emission shall not contain any liquid matter (including dissolved methane, petroleum spirits or organic solvents including chlorinated organic solvents) or thing which is or may be liable to set or congeal at average sewer temperature or is capable of giving off any flammable or explosive gas or any acid, alkali or other substance in sufficient concentration to cause corrosion to sewer pipes, penstock and sewer fittings or the general integrity of the sewer.

- 7.8.3 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. The Agency shall be notified of such an event.
- 7.8.4 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.
- 7.8.5 The licensee shall submit monitoring results to the Sanitary Authority on an annual basis.
- 7.8.6 No substance shall be discharged in a manner, or at a concentration which, after additional dilution, causes tainting of fish or shellfish, interferes with normal patterns of fish migration or accumulates in sediments or biological tissues to the detriment of fish, wildlife or their predators.
- 7.8.7 No substance shall be present in emissions to sewer in such concentrations as would constitute a danger to 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.
- 7.8.8 Emission limits for emissions to sewer shall be interpreted as follows subject to agreed alteration by the Sanitary Authority:
- (i) For Continuous Monitoring:
    - a) No flow volume shall exceed the specified limit.
  - (ii) For Non-Continuous Monitoring:
    - a) No pH value shall deviate from the specified range.
    - b) No temperature value shall exceed the emission limit value.
    - c) For parameters other than pH, temperature and flow, eight out of ten consecutive results, calculated as daily mean concentration or mass emission values on the basis of flow proportional sampling, shall not exceed the emission limit value. No individual result similarly calculated shall exceed 1.2 times the emission limit value.
    - d) For parameters other than pH, temperature and flow, no grab sample value shall exceed 1.2 times the emission limit value.
- 7.8.9 The licensee shall provide safe and permanent access to the final effluent discharge points to the sewer.
- 7.8.10 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 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 agreement for the use of alternative equipment, other than in emergency situations, shall be obtained from the Agency.

**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 for its agreement within six months of the date of grant of the licence. The licensee shall update these schemes when required in writing by the Agency and submit proposed amendments to the Agency for its agreement.

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

## CONDITION 9 ENVIRONMENTAL MONITORING

- 9.1 The licensee shall carry out such monitoring and at such locations and frequencies as set out in Schedule F: Monitoring and as specified in the Conditions of this licence.
- 9.2 The licensee shall submit, within ten months of the date of grant of this licence, to the Agency for its agreement a drawing detailing monitoring points for noise, dust, surface water discharges and emissions to sewer. This drawing shall detail twelve digit National Grid References for each monitoring point in a table inserted on this drawing.
- 9.3 Foul Sewer Monitoring
- 9.3.1 The licensee shall provide, install and maintain within six months of the grant of this licence, a system for monitoring and recording the discharge volume/flow to foul sewer subject to agreed alteration by the Sanitary Authority. The licensee shall submit a proposal for the agreement of the Agency prior to installation.
- 9.4 Surface Water Monitoring
- 9.4.1 Pending the agreement of a sampling station for the discharge to storm drain through SW.1, as per Condition 4.19.2, sampling shall be carried out at the location marked SW.1 as shown on Drawing Number 500-100, Revision B, titled "Site Layout Plan" of the application.
- 9.5 Dust Monitoring
- 9.5.1 Within three months of the date of grant of this licence, the licensee shall submit to the Agency for its agreement proposed locations, including their respective 12 digit national grid references, to monitor dust deposition rates arising from the facility. The frequency shall be carried out as specified in Schedule F. The first such monitoring shall be undertaken during the first relevant period occurring after the date of grant of this licence.
- 9.5.2 Within twelve months of the date of grant of this licence, the licensee shall submit to the Agency a report on PM<sub>10</sub> emissions arising from activities undertaken at the facility.
- 9.6 Noise Monitoring
- 9.6.1 The licensee shall carry out a noise survey of the site operations annually. The first such monitoring shall be undertaken within nine months of the date of grant of this licence. Within six months from the date of grant of this licence,

the licensee shall submit to the Agency for its agreement proposed locations, including their respective 12 digit national grid references, to monitor noise emissions at the facility boundaries.

- 9.7 The licensee shall provide and maintain all sampling and monitoring points so that they may be used for the representative sampling and monitoring of emissions from the facility.
- 9.8 The licensee shall provide safe and permanent access to all on-site and off-site sampling and monitoring points as required by the Agency.
- 9.9 Monitoring and analytical 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 The licensee shall install on all emission points such sampling points or equipment, including any data-logging or other electronic communication equipment, as may be required by the Agency. All such equipment shall be consistent with the safe operation of all sampling and monitoring systems.
- 9.13 All on-site monitoring points as described in Condition 9.1 shall be tagged in situ with their agreed sampling point codes within twelve months of 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. A written record of the use and disposal of these items shall be maintained by the licensee.
- 10.3 All significant spillages occurring at the facility shall be treated as an emergency and immediately cleaned up and dealt with so as to alleviate their effects.
- 10.4 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 Fire-Water retention



- 10.5.1 The licensee shall carry out a risk assessment to determine if the activity should have a fire-water retention facility. The assessment shall have regard to any guidelines issued by the Agency with regard to firewater retention. The licensee shall submit the assessment and a report to the Agency on the findings and recommendations of the assessment within six months from the date of grant of this licence.
- 10.5.2 In the event that a significant risk is found to exist for the release of contaminated fire-water, the licensee shall, based on the findings of the risk assessment, prepare and implement, with the agreement of the Agency, a suitable risk management programme. The risk management programme shall be fully implemented within the timescale as notified in writing by the Agency.
- 10.6 In the event of a complete breakdown of equipment or any other occurrence which results in the closure of a particular waste process, any waste arriving at or already collected at the facility for submission to that process shall be transferred directly to appropriate landfill sites or any other appropriate facility or alternative arrangement as agreed in advance with the Agency until such time as the affected waste process 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 case of repeat incidents, 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 £ 9,162 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 2000 and subsequent years, not later than January 31 of each year, pay to the Agency this amount

updated in accordance with changes in the Consumer Price Index from the date of the licence to the renewal date. The updated amount shall be notified to the licensee by the Agency. For 1999, the licensee shall pay a pro rata amount from the date of this licence to 31st December 1999. This amount shall be paid to the Agency within one month of the date of grant of this licence.

- 11.1.2 In the event that the frequency or extent of monitoring or other functions carried out by the Agency needs to be increased 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 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.

#### 11.3 Sanitary Authority Charges

- 11.3.1 A charge of 12.85 pence per cubic metre of trade effluent or other matter discharged to sewer at F.1.

- 11.3.2 A charge of 16.03 pence per cubic metre of trade effluent or other matter discharged to sewer at F.2.

- 11.3.3 An annual charge of £400.00 for monitoring costs.

- 11.3.4 These charges shall be paid directly to Dublin Corporation on an annual basis.

- 11.3.5 Sanitary Authority charges may increase from time to time in response to increased costs in providing drainage and monitoring.

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

# SCHEDULE A : Waste Activities

Activities authorised by the licence shall be restricted to those described below.

<b>Waste Management Act, 1996: Third Schedule</b> <sup>Note 1</sup>	
<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 the transfer of loose waste into large containers for eventual disposal at another appropriate facility.
<b>Class 13.</b>	<b>Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned was produced.</b>  This activity is limited to the temporary storage at the facility of waste destined for disposal.

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

<b>Waste Management Act, 1996: Fourth Schedule</b> <sup>Note 1</sup>	
<b>Class 2.</b>	<b>Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes):</b>  This activity is limited to the recovery and subsequent repackaging of wood, plastics and paper/cardboard from waste accepted at the facility.
<b>Class 3.</b>	<b>Recycling or reclamation of metals and metal compounds:</b>  This activity is limited to the recovery and subsequent repackaging of metals from waste accepted at the facility.
<b>Class 4.</b>	<b>Recycling or reclamation of other inorganic materials:</b>  This activity is limited to the recovery and subsequent repackaging of Construction and Demolition waste and glass from waste accepted at the 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 temporary storage at the facility of waste accepted at the facility for submission to one of the activity classes above and to the temporary storage of any such materials recovered pending their dispatch for re-use/recycling at other locations.

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

# SCHEDULE B : Content of the Environmental Management Programme

## Environmental Management Programme

### Details of Operator

Name and Address of Operator and Site. Included should be contact names in respect of persons with managerial responsibility for site operations, including the facility manager. Relevant telephone numbers should also be given. All relevant drawings should be included in the EMP.

### Types of Waste Accepted

A detailed description of the types of waste that can be accepted on the site should be given.

### Quantity of Wastes Accepted

Details should be given on the annual quantity of waste taken into the site.

### Engineering Details

Details of all significant site engineering works should be included. Where applicable the information should cover:

- fencing, gates and other security
- parking areas
- offices, fuel stores etc.
- site infrastructure etc.
- waste handling areas/buildings

### Operational Matters

These should include:

- description of the operations
- measures for the control of environmental nuisances
- measures for the control of emissions
- site opening and operating times
- access control
- waste acceptance procedures
- procedures for dealing with unacceptable wastes
- equipment to be utilised
- site personnel, including qualifications, duties and responsibilities
- monitoring and maintenance procedures
- trigger levels for emissions
- operational and safety rules (including safety statement)
- emergency procedures

### Objectives and Targets

Objectives and targets for improving the environmental performance of the facility shall be detailed. These should include:

- increased waste recovery and recycling
- emissions
- resource use
- wastes produced.

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 C : Content of the Annual Environmental Report

## Annual Environmental Report Content

Reporting Period.

Waste activities carried out at the facility.

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

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

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

Resource and energy consumption summary.

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

Environmental Management Programme - Proposal & Report

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.

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

Any other items specified by the Agency.

# SCHEDULE D : Recording and Reporting to the Agency

Table D.1 Recurring Reports

Report and Contents	Reporting Frequency <sup>Note 1</sup>	Report Submission Date
<b>Environmental Management System Updates</b>		
<i>(Note 2)</i>		
(i) Environmental Management System	Annually	One month after the end of each year being reported on.
(ii) Schedule of Objectives and targets	Annually	One month after the end of each year being reported on.
(iii) Environmental Management Programme	Annually	One month after the end of each year being reported on.
(iv) Annual Environmental Report	Annually	One month after the end of each year being reported on.
<b>Records of incidents</b>	As they occur	Within five days of the incident
<b>Cessation/Re-Activation of an activity in accordance with Condition 3.10</b>	As they arise	Fourteen days in advance of cessation/re-activation
<b>Infrastructure</b>		
(i) Specified Engineering Works Reports	As they arise	Prior to the works commencing
(ii) Bund, tank and container integrity assessment	3 yearly	Twelve months from the date of grant of licence and thereafter one month after end of the year being reported on.
(iii) Underground pipe and tank integrity assessment	5 yearly	Eighteen months from the date of grant of licence and one month after end of the year being reported on.
(iv) Weighbridge accuracy	As they occur	Six months from the date of grant of licence and according to manufacturer's specifications thereafter.
<b>Environmental Monitoring</b>		
(i) Monitoring of emissions to surface water	Quarterly	Ten days after end of the quarter being reported on.
(ii) Monitoring of emissions to sewer	Quarterly	Ten days after end of the quarter being reported on.
(iii) Noise monitoring	Annually	One month after the completion of the monitoring
(iv) Dust monitoring	Three times a year	One month after the completion of the monitoring
<b>Financial</b>		
(i) Financial Provision as per Conditions 11.2.2 & 11.2.3	Annually	Nine months from the date of grant of licence and thereafter within the first month of each year being reported on.
(ii) Financial Provision as per Conditions 11.2.4	As they occur	Within two weeks of the purchase, renewal or revision of the financial provision required under Condition 11.2.2

Note 1: Unless altered at the request of the Agency

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

Table D.2 Once-off Reports

Report and Contents	Condition Number	Report Submission Date (Number of months within which to submit, from date of granting of licence, unless otherwise specified)
<b>Environmental Management System</b>		
(i) EMS Proposals	2.1.1	18
(ii) Schedule of Objectives and Targets	2.2.1	12
(iii) Environmental Management Programme	2.3.1	12
(iv) Management Structure	2.6.1	9
(v) Communication Programme	2.7.1	12
(vi) Annual Environmental Report	2.8.1	12
<b>Infrastructure</b>		
(i) Site Security	4.3.1	3
(ii) Traffic Management plan	4.4.2	9
(iii) As-built drawings of Buildings Number 1 and 2	4.5.4	3
(iv) Sediment Traps designs	4.15.1	9
(v) Sediment Tarp maintenance procedure	4.15.2	3
(vi) Landscape Proposals	4.24.1	9
<b>Waste Acceptance Procedures</b>		
(i) Waste acceptance procedures	5.4	6
(ii) Procedure for the management of unacceptable waste	5.5	6
(iii) Waste Profiling Procedure	5.6.2	6
(iv) Separation and recovery of appropriate components of the waste being accepted at the facility proposals	5.9	9
<b>Nuisances</b>		
(i) Vermin Control Plan	6.8	3
(ii) Dust Emission Control Procedure	7.5	6
<b>Emissions and monitoring</b>		
(i) Proposal for monitoring and recording flow to foul sewer.	9.3.1	6
(ii) Noise monitoring points at site boundaries	9.6.1	6
(iii) Report on PM <sub>10</sub> emissions.	9.5.2	12
(iv) Dust monitoring points	9.5.1	3
<b>Contingency Arrangements</b>		
(i) Emergency Response Procedure	10.1	6
(ii) Fire water retention risk assessment	10.5.1	6
<b>Decommissioning and Aftercare</b>		
(i) Decommissioning and Aftercare Plan	8.1	6
<b>Financial</b>		
(i) Report on Environmental Liabilities Risk Assessment	11.2.1	6

# SCHEDULE E : Specified Engineering Works

Specified Engineering Works
<ul style="list-style-type: none"> <li>• Facility boundary fencing.</li> <li>• Wheelwash.</li> <li>• Waste Quarantine Area.</li> <li>• Weighbridge Office.</li> <li>• Fuel and Liquid Bunding.</li> <li>• Groundwater Protection.</li> <li>• Alteration to surface water drainage at entrance gate.</li> <li>• Colour Coding of foul sewer and storm water drainage systems (Note 1).</li> <li>• Label Cut-Off Valves. (Note 1).</li> <li>• Roadsweeper Discharge Area oil separator and sediment trap.</li> <li>• Oil separator and sediment trap, monitoring station and cut-off valve for SW.1 discharge.</li> <li>• Fire detection system.</li> <li>• Dust control system.</li> <li>• Two foul sewer discharge monitoring stations.</li> <li>• Tag monitoring points.</li> <li>• Any other works notified by the Agency.</li> </ul>

Note 1: Condition 4.25.1 does not apply to this specified engineering work.

# SCHEDULE F : Monitoring

Monitoring to be carried out as specified below.

## ***F.1: Monitoring of Emissions to Sewer***

Monitoring of emissions to sewer shall be from monitoring location(s) as set out in Table F.1.1 and as shown in Drawing number 500-100, Revision B, titled "Site Layout Plan" of the application.

Table F.1.1 Sewer Monitoring Locations

STATION	EASTING	NORTHING
F.1	309688	232774
F.2	To be agreed as per Condition 4.20	To be agreed as per Condition 4.20



Table F.1.2 Sewer Monitoring Parameters and Frequencies

Parameter	Monitoring Frequency	Sampling Method/Type
BOD	Every three months	24 Hour Composite (Note 2)
COD	Every three months	24 Hour Composite(Note 2)
Suspended Solids	Every three months	24 Hour Composite (Note 2)
Fats, Oil, Grease	Every three months	24 Hour Composite (Note 2)
Detergents (as MBAS)	Every three months	24 Hour Composite (Note 2)
Temperature	Every three months	Grab
pH	Every three months	Grab
Discharge Volume	Daily (Note 1)	

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

Note 2: Subject to agreed alteration by the Agency.

### F.2: Dust

Dust monitoring locations shall be submitted as per Condition 9.5.1.

Table F.2.1 Dust Monitoring Locations

STATION	EASTING	NORTHING
To be agreed		
To be agreed		
To be agreed		
To be agreed		

Table F.2.2 Dust Monitoring Frequency and Technique

Parameter (mg/m <sup>2</sup> /day)	Monitoring Frequency	Analysis Method/Technique
Dust	Monthly	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) in which 2 methoxy ethanol may be employed to eliminate interference due to algae growth in the gauge is allowed.

### F.3: Noise

Noise monitoring locations shall be those as set out in Table F.3.1

Table F.3.1 Noise Monitoring Locations

STATION	EASTING	NORTHING
N7	309700	233046
N8	309776	232797
N9	309745	232933
Facility Boundaries	To be agreed as per Condition 9.6.1.	To be agreed as per Condition 9.6.1.

Table F.3.2 Noise Monitoring Frequency and Technique

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

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

**F.4: Surface Water**

Surface Water monitoring locations shall be those as set out in Table F.4.1 and as shown in Drawing Number 500-100, Revision B, titled "Site Layout Plan" of the application of the application.

Table F.4.1 Surface Water Monitoring Locations

STATION	EASTING	NORTHING
SW.1( <i>Note 1</i> )	To be agreed as per Condition 4.19.2	To be agreed as per Condition 4.19.2
SW.2	To be agreed as per Condition 7.7.2	To be agreed as per Condition 7.7.2

Note 1: Refer to Condition 9.4.1 for temporary arrangement.

Table F.4.2 Surface Water Monitoring Parameters and Frequencies

Parameter <sup>Note 2</sup>	Monitoring Frequency	Analysis Method/Technique
<b>Visual Inspection</b>	Weekly	Not applicable
<b>BOD</b>	Monthly	Electrometry / Titrimetry with nitrification inhibitor
<b>COD</b>	Monthly	Digestion + Colorimetry/Titrimetry
<b>Electrical Conductivity</b>	Monthly	Electrometry
<b>pH</b>	Monthly	Electrometry
<b>Total Suspended Solids</b>	Monthly	Gravimetry
<b>Temperature</b>	Monthly	Thermometry
<b>Oils, Fats and Grease</b>	Monthly	Standard Method <sup>Note 1</sup>

Note 1: "Standard Methods for the Examination of Water and Wastewater", (prepared and published jointly by A.P.H.A., A.W.W.A. and W.E.F.) 19th Edition 1995, American Public Health Association, 1015 Fifteenth Street, N.W., Washington DC 20005, USA.

Note 2: Subject to Condition 9.10, only the parameter Visual Inspection shall apply to SW.2

# SCHEDULE G : Emission Limits

## G.1 Emissions to Sewer

Volume to be emitted: Maximum in any one day at F.1: 10m<sup>3</sup>

Maximum in any one day at F.2: 10m<sup>3</sup>

Parameter	Emission Limit		Value
	Grab Sample (mg/l)	Daily Mean Concentration (mg/l)	Daily Mean Loading (kg/day)
Biological Oxygen Demand	4,000	3,000	30
Chemical Oxygen Demand	8,000	6,000	60
Suspended Solids	1,000	800	8
Fats, Oils, Grease	100	100	1
Detergents (as MBAS)	100	100	1
pH	6 to 10	-	-
maximum Temperature	42 degrees centigrade		

**G.2 Dust Deposition Limits:** (Measured at the monitoring points indicated in Table F.2.1).

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

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

**G.3 Noise Emissions:** (Measured at the facility boundary monitoring points indicated in Table F.3.1).

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

## G.4 Dust Emission Limits For Dust Extraction Systems:

To apply to agreed discharge point(s) of any dust extraction system(s) installed.

Level (mg/m <sup>3</sup> )
50 <sup>Note 1</sup>

Note 1: Achievement of emission limit value concentration by the introduction of dilution air is not permitted.

## SCHEDULE H : Acceptable Waste Types

Table H.1: INERT OR INACTIVE WASTE

INERT OR INACTIVE WASTE
Subsoil
Topsoil
Brickwork
Stone, Rock and Slate
Clay
Natural Sand
Concrete
Pottery and China
Solid Road Planings, Solid
Tarmacadam, Solid Asphalt

Table H.2 : BIODEGRADABLE WASTE

BIODEGRADABLE WASTE
Wood and Wood Products
Paper and Paper products
Vegetable Matter
Non-Infectious Health-Care Waste
Natural and Man-Made Fibres
Road Sweepings
Gully Emptyings
Silt and Dredgings
Boiler Scale
Ash and Cinders
Food Stuffs

Sealed by the Seal of the Agency on this 3<sup>rd</sup> day of December 1999.

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

\_\_\_\_\_  
**L. M. McCumiskey**

\_\_\_\_\_  
**Director General/Authorised Person**