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Ireland

WASTE LICENCE

PROPOSED DECISION OF A HAZARDOUS TRANSFER STATION

Waste Licence Application Register Number:	185-1
Applicant:	Cara Waste Management Limited.
Location of Facility:	Site No. 14A1, Greenogue Business Park, Rathcoole, Co. Dublin.

INTRODUCTION

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

This waste licence is for the operation of a hazardous waste transfer station at a facility of Cara Waste Management Limited. The transfer station is designed to be capable of handling 60,000 tonnes of waste per annum of which 33,000 tonnes will be hazardous waste while the remaining 27,000 tonnes will be non-hazardous.

The principal elements of the development are listed as follows:

- *Main warehouse building to be used for the handling and bulking of waste prior to onward transport to relevant recycling/recovery/disposal facilities.*
- *Site infrastructure including a weighbridge, transfer building, office building, access road and car parking facilities.*
- *Hazardous waste storage facilities.*
- *3 tanker parking bays.*

The activities at this facility will entail acceptance, sorting and repackaging/bulking-up of waste including household hazardous waste, dismantling of waste electrical and electronic equipment (WEEE), provision of tanker overnight parking facility and onward shipment to recycling/recovery and disposal facilities.

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

The licence sets out in detail the conditions under which Cara Waste Management Limited will operate and manage this facility.

Table of Contents

	Page No.
DECISION AND REASONS FOR THE DECISION	1
INTERPRETATION	1
<i>PART I ACTIVITIES LICENSED</i>	5
<i>PART II CONDITIONS</i>	7
CONDITION 1 SCOPE OF THE LICENCE	7
CONDITION 2 MANAGEMENT OF THE FACILITY	7
CONDITION 3 FACILITY INFRASTRUCTURE	9
CONDITION 4 RESTORATION AND AFTERCARE	12
CONDITION 5 FACILITY OPERATIONS	14
CONDITION 6 EMISSIONS	20
CONDITION 7 NUISANCE CONTROL	21
CONDITION 8 MONITORING	22
CONDITION 9 CONTINGENCY ARRANGEMENTS	23
CONDITION 10 RECORDS	24
CONDITION 11 REPORTS AND NOTIFICATIONS	26
CONDITION 12 CHARGES AND FINANCIAL PROVISIONS	27
SCHEDULE A : Waste Acceptance	30
SCHEDULE B : Specified Engineering Works	30
SCHEDULE C : Emission Limits	31
SCHEDULE D : Monitoring	32
SCHEDULE E : Recording and Reporting to the Agency	35
SCHEDULE F : Content of the Annual Environmental Report	36

DECISION & REASONS FOR THE DECISION

Reasons for the Decision

On the basis of the information before it, the Environmental Protection Agency is satisfied that the waste activity, or activities, licensed hereunder in Part I will comply with the requirements of Section 40(4) of the Waste Management Act, 1996.

In reaching this decision the Environmental Protection Agency has considered the application and supporting documentation received from the applicant and the report of its inspector.

INTERPRETATION

All terms in this licence should be interpreted in accordance with the definitions in the Waste Management Act, 1996, (the Act), unless otherwise defined in this section.

Aerosol	A suspension of solid or liquid particles in a gaseous medium.
Adequate lighting	20 lux measured at ground level.
Agreement	Agreement in writing.
Annually	At approximately twelve monthly intervals.
Attachment	Any reference to Attachments in this licence refers to attachments submitted as part of the waste licence application.
Application	The application by the licensee for this waste licence.
Appropriate facility	A waste management facility, duly authorised under relevant law and technically suitable.
BAT	Best Available Techniques as defined by Section 7 of The Protection of the Environment Act, 2003, amending section 5 of the EPA Act, 1992.
Bi-annually	All or part of a period of six consecutive months.
Biodegradable Waste	Any waste that is capable of undergoing anaerobic or aerobic decomposition, such as food, garden waste, sewage sludge, paper and paperboard.
CEN	Comité Européen De Normalisation – European Committee for Standardisation
Condition	A condition of this licence.
Consignment Note	All movements of hazardous waste within Ireland must be accompanied by a “C1” consignment note issued by a local authority under the Waste Management (Movement of Hazardous Waste) Regulations (SI No. 147 of 1998). Transfrontier shipment notification and movement/tracking form numbers are required for all exports of waste from, into or through the state under the Waste Management (Transfrontier Shipment of Waste) Regulations (SI No. 149 of 1998).

Construction and Demolition Waste	All wastes which arise from construction, renovation and demolition activities.
Containment boom	A boom which can contain spillages and prevent them from entering drains or watercourses.
Daytime	8.00 a.m. to 10.00 p.m.
Documentation	Any report, record, result, data, drawing, proposal, interpretation or other document in written or electronic form which is required by this licence.
Drawing	Any reference to a drawing or drawing number means a drawing or drawing number contained in the application, unless otherwise specified in this licence.
Emergency	Those occurrences defined in Condition 9.4.
Emission Limits	Those limits, including concentration limits and deposition levels established in <i>Schedule C: Emission Limits</i> , of this licence.
European Waste Catalogue (EWC)	A harmonised, non-exhaustive list of wastes drawn up by the European Commission and published as Commission Decision 2000/532/EC and any subsequent amendment published in the Official Journal of the European Community.
Foul water	Sewage and drainage from waste transfer building, wheelwash, truck wash, ramp, weighbridges vehicle cleaning, ejector trailer parking areas and run-off from hardstanding areas associated with waste processing.
Green waste	Waste wood (excluding timber), plant matter such as grass cuttings, and other vegetation.
Hours of Operation	The hours during which the facility is authorised to be operational. The hours of operation of a facility are usually longer than the hours of waste acceptance to facilitate preparatory and completion works, such as the removal and laying of daily cover. Different activities within the facility, such as the civic waste facility, may have different hours of waste acceptance.
Hours of Waste Acceptance	The hours during which the facility is authorised to accept waste. Different activities within the facility, such as the civic waste facility, may have different hours of waste acceptance.
Incident	The following shall constitute an incident for the purposes of this licence: <ul style="list-style-type: none"> a) an emergency; b) any emission which does not comply with the requirements of this licence; c) any exceedence of the daily duty capacity of the waste handling equipment; d) any trigger level specified in this licence which is attained or exceeded; and, e) any indication that environmental pollution has, or may have, taken place.
Industrial Waste	As defined in Section 5(1) of the Act.

Inert waste	Waste that does not undergo any significant physical, chemical or biological transformations. Inert waste will not dissolve, burn or otherwise physically or chemically react, biodegrade or adversely affect other matter with which it comes into contact in a way likely to give rise to environmental pollution or harm human health. The total leachability and pollutant content of the waste and the ecotoxicity of the leachate must be insignificant, and in particular not endanger the quality of surface water and/or groundwater.
Licence	A Waste Licence issued in accordance with the Acts.
Licensee	Cara Waste Management Limited
Liquid Waste	Any waste in liquid form and containing less than 2% dry matter. Any waste tankered to the facility.
Maintain	Keep in a fit state, including such regular inspection, servicing, calibration and repair as may be necessary to adequately perform its function.
Mobile Plant	Self-propelled machinery used for the emplacement of wastes or for the construction of specified engineering works.
Monthly	A minimum of 12 times per year, at approximately monthly intervals.
Municipal waste	As defined in Section 5(1) of the Act.
Night-time	10.00 p.m. to 8.00 a.m.
Noise Sensitive Location (NSL)	Any dwelling house, hotel or hostel, health building, educational establishment, place of worship or entertainment, or any other facility or area of high amenity which for its proper enjoyment requires the absence of noise at nuisance levels.
Oil Separator	Device installed according to the draft European Standard prEN 858 (Installations for the separation of light liquids, e.g. oil and petrol).
Recyclable Materials	Those waste types, such as cardboard, batteries, gas cylinders, etc, which may be recycled.
Quarterly	At approximately three monthly intervals.
Sanitary Authority	South Dublin County Council.
Sample(s)	Unless the context of this licence indicates to the contrary, samples shall include measurements by electronic instruments.
SOP	Standard Operating Procedure.
Specified Emissions	Those emissions listed in <i>Schedule C: Emission Limits</i> of this licence.
Specified Engineering Works	Those engineering works listed in <i>Schedule B: Specified Engineering Works</i> of this licence.
SEW	Specified Engineering Works
TOC	Total Organic Carbon.
Trigger Level	A parameter value specified in the licence, the achievement or exceedance of which requires certain actions to be taken by the licensee.

Weekly	During all weeks of plant operation, and in the case of emissions, when emissions are taking place, with no more than one measurement in any one week.
White Goods	Refrigerators, cookers, ovens and other similar appliances.
EPA Working Day	Refers to the following hours; 9.00 a.m. to 5.30 p.m. Monday to Friday inclusive.

Part I Schedule of 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 Cara Waste Management Limited to carry on the waste activity/activities listed below at Site No. 14A1, Greenogue Business Park, Rathcoole, County Dublin, subject to conditions, with the reasons therefore 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 7.	Physico-chemical treatment not referred to elsewhere in this Schedule (including evaporation, drying and calcination) which results in final compounds or mixtures which are disposed of by means of any activity referred to in paragraphs 1. to 10. of this Schedule: This activity relates to the shredding of waste materials, including, household hazardous waste containers and metals, plastics, card and paper. Physico-chemical treatment may be carried out on effluents to meet discharge criteria.
Class 11.	Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule. This activity relates to bulking-up of waste on-site prior to shipment of waste for disposal off-site.
Class 12.	Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule. This activity relates to the baling and repackaging of various waste types prior to disposal off-site.
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. This activity relates to the storage of hazardous and non-hazardous waste at the facility prior to disposal off-site.

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

Class 2.	Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes): This activity relates to the recycling of various organic substances including, wood, paper/cardboard, textile materials and vegetable oils.
Class 3.	Recycling or reclamation of metals and metal compounds: This activity relates to the dismantling, shredding, baling and recycling of various metal wastes.
Class 4.	Recycling or reclamation of other inorganic materials: This activity is limited to the reclamation of refrigerator gasses.

Class 11.	Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule: This activity is to make provision for the acceptance on-site for transfer to an appropriate facility of waste that has been obtained from any activity referred to previously in the Schedule.
Class 12.	Exchange of waste for submission to any activity referred to in a preceding paragraph of this Schedule: This activity refers to the exchange of certain waste types and their packaging for further processing off-site
Class 13.	Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced: This activity is limited to the storage of waste at the facility prior to off-site recovery.

PART III CONDITIONS

CONDITION 1 SCOPE OF THE LICENCE

- 1.1. Waste activities at the facility shall be restricted to those listed and described in *Part I: Activities Licensed* and authorised by this licence.
- 1.2. For the purposes of this licence, the facility is the area of land outlined in red on Drawing No. 569-42-102 entitled 'Site Plan' in attachment B5 of the application. Any reference in this licence to "facility" shall mean the area thus outlined in red.
- 1.3. This licence is for the purposes of waste licensing under the Waste Management Act, 1996 only and nothing in this licence shall be construed as negating the licensee's statutory obligations or requirements under any other enactments or regulations.
- 1.4. Only those waste categories and quantities listed in *Schedule A: Waste Acceptance* of this licence, shall be accepted at the facility.
 - 1.4.1 Waste shall be accepted at the facility, only from customers who are holders of a waste permit, unless exempted, under the Waste Management (Collection Permit) 2001 or from other licensed/permitted facilities.
- 1.5. Waste Acceptance Hours and Hours of Operation.
 - 1.5.1. Unless otherwise agreed by the Agency, waste shall not be accepted at the facility on Sundays or on Bank Holidays.
- 1.6. Every plan, programme or proposal submitted to the Agency for its agreement pursuant to any Condition of this licence shall include a proposed timescale for its implementation. The Agency may modify or alter any such plan, programme or proposal in so far as it considers such modification or alteration to be necessary and shall notify the licensee in writing of any such modification or alteration. Every such plan, programme or proposal shall be carried out within the timescale fixed by the Agency but shall not be undertaken without the agreement of the Agency. Every such plan, programme or proposal agreed by the Agency shall be covered by the conditions of this licence.

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

CONDITION 2 MANAGEMENT OF THE FACILITY

- 2.1 Facility Management
 - 2.1.1 The licensee shall employ a suitably qualified and experienced facility manager who shall be designated as the person in charge. The facility manager or a nominated, suitably qualified and experienced, deputy shall be present on the facility at all times during its operation.
 - 2.1.2 Both the facility manager and deputy, and any replacement manager or deputy, shall successfully complete both the FAS waste management training programme (or equivalent agreed by the Agency) and associated on site assessment appraisal within twelve months of appointment.

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

2.2 Management Structure

2.2.1 Within three months from the date of grant of this licence, the licensee shall submit written details of the management structure of the facility to the Agency. Any proposed replacement in the management structure shall be notified in advance in writing to the Agency. Written details of the management structure shall include the following information.

- a) the names of all persons who are to provide the management and supervision of the waste activities authorised by the licence, in particular the name of the facility manager and any nominated deputies;
- b) details of the responsibilities for each individual named under a) above; and
- c) details of the relevant education, training and experience held by each of the persons nominated under a) above.

2.3 Environmental Management System (EMS)

2.3.1 The licensee shall within three months of the date of grant of the licence establish and maintain an EMS. The EMS shall be updated on an annual basis with amendments being submitted to the Agency for its agreement.

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

2.3.2.1 Schedule of Environmental Objectives and Targets

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

2.3.2.2 Environmental Management Plan (EMP)

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

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

2.3.2.3 Corrective Action Procedures

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

2.3.2.4 Awareness and Training Programme

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

2.4 Communications Programme

2.4.1 The licensee shall establish and maintain a Communications Programme to ensure that members of the public can obtain information at the facility, at all reasonable

times, concerning the environmental performance of the facility. This shall be established within six months of the date of grant of this licence.

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

CONDITION 3 FACILITY INFRASTRUCTURE

3.1 The licensee shall establish all infrastructure referred to in this licence prior to the commencement of the licensed activities or as required by the conditions of this licence.

3.2 Specified Engineering Works

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

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

3.3 Facility Notice Board

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

3.3.2 The board shall clearly show:-

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

3.4 The licensee shall provide and maintain a plan of the facility (1200mm x 750mm) clearly identifying the location of each storage and treatment area. The plan shall be displayed as close as possible to the entrance of the facility on durable material such that it is legible at all times. The plan shall be replaced as material changes to the facility are made.

3.5 Facility Security

3.5.1 The licensee shall establish and maintain the site security arrangements as referred to in Section D.1 (a) of the application.

3.5.2 The licensee shall remedy any defect in the gates and/or fencing as follows:-

- a) a temporary repair shall be made by the end of the working day; and
- b) a repair to the standard of the original gates and/or fencing shall be undertaken within three working days.

3.6 Facility Roads/Hardstanding and Traffic Layout

- 3.6.1 Effective site roads shall be provided and maintained to ensure the safe movement of vehicles within the facility.
- 3.6.2 The licensee shall provide, and maintain an impermeable hardstanding surface in the areas of the facility shown on Drawing 569-42-111 entitled *Hardstanding Areas*, submitted in the Article 14 response, the areas shall be concreted and constructed to British Standard 8110.
- 3.6.3 Traffic layout at the facility shall be such that emergency services' vehicles shall have access to all parts of the facility at all times.

3.7 Facility Office

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

3.8. Waste Inspection and Quarantine Areas

- 3.8.1. A Waste Inspection Area and a Waste Quarantine Area shall be provided and maintained at the facility.
- 3.8.2. These areas shall be constructed and maintained in a manner suitable, and be of a size appropriate, for the inspection of waste and subsequent quarantine if required. The waste inspection area and the waste quarantine area shall be clearly identified and segregated from each other.
- 3.8.3. Drainage from these areas shall be collected and managed in accordance with their contents.

3.9. Weighbridge and Wheel Cleaning

- 3.9.1. The licensee shall provide and maintain a weighbridge and a wheel cleaner at the facility.
- 3.9.2. The wheel cleaner shall be used by all vehicles leaving the facility as required to ensure that no process water or waste is carried off-site. All water from the wheel cleaning area shall be directed to the wastewater interceptor.

3.10. Waste handling, ventilation and processing plant

- 3.10.1 Items of plant deemed critical to the efficient and adequate processing of waste at the facility (including *inter alia* waste loading vehicles and ejector trailers) shall be provided on the following basis:-
 - a) 100% duty capacity;
 - b) 25% standby capacity available on a routine basis; and
 - c) Provision of contingency arrangements and/or back up and spares in the case of breakdown of critical equipment.

- 3.10.2 Prior to the commencement of waste activities the licensee shall provide a report for the agreement of the Agency detailing the duty and standby capacity in tonnes per day, of all waste handling and processing equipment to be used at the facility. These capacities shall be based on the licensed waste intake, as per *Schedule A: Waste Acceptance*, of this licence.
- 3.10.3 The quantity of waste to be accepted at the facility on a daily basis shall not exceed the duty capacity of the equipment at the facility. Any exceedance of this intake shall be treated as an incident.
- 3.11. Tank and Drum Storage Areas
- 3.11.1. Construction of the bunded areas shall be in accordance with any guidance issued by the Agency.
- 3.11.2. All hazardous waste storage areas shall be rendered impervious to the materials stored therein.
- 3.11.3. All tank and drum storage areas shall be rendered impervious to the materials stored therein.
- 3.11.4. All tank and drum storage areas shall, as a minimum, be bunded, either locally or remotely, to a volume not less than the greater of the following:-
- a) 110% of the capacity of the largest tank or drum within the bunded area; or
 - b) 25% of the total volume of substance which could be stored within the bunded area.
- 3.11.5. All drainage from bunded areas shall be diverted for collection and safe disposal.
- 3.11.6. All inlets, outlets, vent pipes, valves and gauges must be within the bunded area.
- 3.11.7. Each bunded area shall be clearly labelled so that it is legible to persons outside the bunded area and shall clearly indicate the material class type that can be stored in that area and the maximum quantity of material that can be stored therein. The arrangements shall ensure that no mixing of incompatible substances, as a result of spillages or otherwise, shall take place.
- 3.11.8. All spillages and liquids recovered from bunded areas shall be treated as hazardous waste unless they are known to be otherwise. All drainage from bunded areas shall be diverted for collection and appropriate recovery or disposal.
- 3.11.9. The integrity and water tightness of all the bunds and their resistance to penetration by water or other materials stored therein shall be confirmed by the licensee and shall be reported to the Agency following its installation and prior to its use as a storage area. This confirmation shall be repeated at least once every three years thereafter and reported to the Agency as part of the AER.
- 3.11.10. All bunds and hardstanding areas shall be visually checked weekly for structural soundness and cracking/damage.
- 3.12. Silt Traps and Oil Separators/Interceptors
- 3.12.1. The licensee shall install and maintain silt traps and oil interceptors at the facility to ensure that all yard surface water discharges from the facility pass through a silt trap and oil interceptor prior to discharge. The interceptors shall be a Class I full retention interceptor and the silt traps and interceptors shall be in accordance with European Standard prEN 858 (installations for the separation of light liquids).
- 3.13. Drainage system, pipeline testing

- 3.13.1. Prior to the commencement of waste activities all foul sewer gullies, drainage grids and manhole covers shall be painted with red squares whilst all surface water discharge gullies, drainage grids and manhole covers shall be painted with blue triangles. These colour codes shall be maintained so as to be visible at all times during facility operation, and any identification designated in this licence (e.g. SW1) shall be inscribed on these manholes.
- 3.13.2. The drainage system, bunds, silt traps and oil separators shall be inspected weekly, desludged as necessary and properly maintained at all times. All sludge and drainage from these operations shall be collected for safe disposal. A written record shall be kept of the inspections, desludging, cleaning, disposal of associated waste products, maintenance and performance of the interceptors, bunds and drains.
- 3.13.3. The integrity and water tightness of all underground pipes and tanks and their resistance to penetration by water or other materials carried or stored therein shall be tested and demonstrated by the licensee and shall be reported to the Agency following their installation and prior to their use. This testing shall be carried out by the licensee at least once every three years thereafter and reported to the Agency on each occasion. A written record of all integrity tests and any maintenance or remedial work arising from them shall be maintained by the licensee.

3.14 Waste Water Collection System/Surface Water Management

- 3.14.1 Wastewater shall drain to a 5m³ self-contained monitoring tank prior to discharge. Wastewater shall only be discharged to the South Dublin County Council sewer (via the Greenogue Industrial Estate Sewer) as per Drawing No. 569-42-106 following confirmation that the discharge meets the requirements of *Schedule C.3: Emission Limits for Foul Water Emissions to Sewer*. Wastewater shall be discharged on a batch basis.
- 3.14.2 Run-off from all areas not used for the handling and storage of waste shall be discharged to the stormwater sewer via a Class 1 oil interceptor as per Drawing No. 569-42-106.

3.16 Monitoring Infrastructure

3.16.1. Groundwater

Within six months from the date of grant of this licence, the licensee shall install representative groundwater monitoring points, at locations to be agreed by the Agency, to allow for the sampling and analyses of groundwater.

3.16.2. Replacement of Infrastructure

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

REASON: *To provide appropriate infrastructure for the protection of the environment.*

CONDITION 4 RESTORATION AND AFTERCARE

- 4.1. A proposal for a Decommissioning and Aftercare Plan for the facility shall be submitted to the Agency within twelve months of the date of grant of this licence. Such a plan shall be in agreement with the requirement to provide financial provision as per Condition 12.2 of this licence. The licensee shall update these plans when required by the Agency.

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

CONDITION 5 FACILITY OPERATIONS

- 5.1 Hazardous wastes that are accepted at the facility as per *Schedule A: Waste Acceptance* and fuels shall only be stored at appropriately banded locations on the facility.
- 5.2 All waste processing shall be carried out inside the waste transfer building.
- 5.3 Waste Acceptance and Characterisation Procedures
- 5.3.1 Prior to commencement of waste acceptance at the facility, the licensee establish and maintain detailed written procedures for the acceptance, handling and sampling of all incoming wastes to include analysis, weighing, documentation, transfer, storage and record keeping.
- 5.3.2 No hazardous waste may be accepted at the facility unless:
- a) The licensee has been notified in advance of the types of waste (including EWC Codes) and the date of delivery;
 - b) The waste is appropriately labelled using the relevant EWC Codes;
 - c) An effective procedure for accepting and handling the waste is in place and satisfactory staff training in the implementation of that procedure has been undertaken;
 - d) The waste has been classified in accordance with the UN publication and fully characterised and, where necessary and particularly in the case of new customers or waste types, its characteristics and hazardous properties confirmed by the licensee by sampling and analysis in advance and upon arrival at the facility;
 - e) A suitable designated storage area is immediately available at the facility; and
 - f) A designated waste quarantine area is immediately available at the facility for any waste which does not conform with the pre-notification and which cannot be otherwise accepted at the facility.
- 5.3.3 Waste arriving at the facility shall be inspected at the point of entry to the facility and subject to this inspection, weighed, documented and directed to the Waste Transfer Building. Each load of waste arriving at the Waste Transfer Building shall be inspected upon tipping within this building. Only after such inspections shall the waste be processed for disposal or recovery.
- 5.3.4 A record of all inspections of incoming waste loads shall be maintained.
- 5.3.5 Waste shall be accepted at the facility only from known customers or new customers subject to initial waste profiling and waste characterisation off-site. The written records of this off-site waste profiling and characterisation shall be retained by the licensee for all active customers and for a two year period following termination of licensee/customer agreements. There shall be no casual public access to the facility.
- 5.3.6 Prior to the acceptance of any waste at the facility, the licensee shall submit a site-specific tracking system to cater for all materials being accepted at the facility to the Agency for its agreement. Any modifications to the tracking system shall be notified to the Agency.

5.4 Storage of Waste

5.4.1 Waste accepted at the facility shall only be stored in the designated storage areas.

5.4.2 Unless otherwise agreed by the Agency waste shall be stored inside the warehouse building.

5.4.3 Any waste deemed unsuitable for processing at the facility and/or in contravention of this licence shall be immediately separated and removed from the facility at the earliest possible time. Temporary storage of such wastes shall be in a designated Waste Quarantine Area. Waste shall be stored under appropriate conditions in the quarantine area to avoid putrefaction, odour generation, the attraction of vermin and any other nuisance or objectionable condition.

5.4.4 The licensee shall take precautions to prevent accidental ignition or reaction of ignitable or reactive wastes. The waste shall be separated and protected from sources of ignition or reaction including but not limited to: open flames, smoking, cutting and welding, hot surfaces, frictional heat, sparks (static, electrical or mechanical), spontaneous ignition (e.g. heat-producing chemical reactions) and radiant heat.

5.5 Labelling of containers, drums and tanks.

5.5.1 No container (including drums and tanks) shall be accepted at the facility whose contents are unknown and whose contents are not clearly displayed on a label.

5.5.2 All containers, including waste and fuel storage drums and tanks, shall be labelled to clearly indicate their contents. During storage, each container shall be accessible and allow for the reading of the label.

5.5.3 All hazardous waste containers shall be uniquely marked with an identification code using indelible or other permanent or electronic markings. All containers shall be marked or labelled to clearly indicate their contents. All previous markings and labels shall be defaced or crossed out but shall remain legible.

5.6 Operational Controls

5.6.1 The floor of the waste transfer building shall be washed down and cleared of all waste at the end of the working day. The floor of the storage bays for recovered wastes shall be washed down and cleaned on each occasion such bays are emptied.

5.6.2 Scavenging shall not be permitted at the facility.

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

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

5.6.5 No smoking shall be allowed on the facility.

5.7 Asbestos Waste

5.7.1 The transfer station shall be used for the temporary storage of asbestos waste prior to its removal for final disposal.

5.7.2 The licensee shall ensure that during transport, handling and storage of waste containing asbestos fibres or dust that no such fibres or dust is emitted or released to any environmental medium.

- 5.7.3 Asbestos waste shall only be accepted at the facility in sealed containers, owned and controlled by the licensee, that have been previously delivered to the customer, unless otherwise agreed by the Agency.
- 5.7.4 Before acceptance of asbestos waste in the containers referred to in Condition 5.7.3, all fibrous asbestos waste and dust shall have been enclosed in sealed plastic bags, double wrapped, of a minimum thickness of 1,000 gauge, or other sealed containers as approved in advance by the Health and Safety Authority (H.S.A).
- 5.7.5 No unwrapped asbestos waste shall be accepted or stored at the facility. Care shall be taken in handling the waste that no damage is caused to any plastic bags or wrapping as may permit the escape of fibres and dust. Any damage shall be recorded as an incident. In addition, no unwrapping of asbestos waste shall be carried out.
- 5.7.6 Asbestos waste shall be placed in lockable transport containers immediately on arrival at the facility, or into dedicated buildings/structures for temporary storage. Containers and any dedicated buildings shall remain locked at all times when asbestos waste is not being placed in them. No asbestos waste shall be deposited or allowed to accumulate outside the containers or buildings being used for waste storage. Containers used to store asbestos waste shall not be used for any other purpose.
- 5.7.7 All containers used to store or transport asbestos waste before onward transport shall be of a design suitable for washing and cleansing without lodgement or escape of debris or fibres. The design should also ensure maximum protection from accidental or deliberate damage.
- 5.7.8 Appropriate warning labels shall be displayed on containers so that persons using the facility are aware of its hazards. All full containers shall be sealed and clearly labelled and shall only be stored in an agreed location.
- 5.7.9 At least one month prior to the commencement of the acceptance of asbestos waste at the facility the licensee shall undertake asbestos fibre monitoring at two locations to be agreed by the Agency. Thereafter, the licensee shall undertake asbestos fibre monitoring on a quarterly basis as specified in *Schedule D: Monitoring*, of this licence.
- 5.7.10 Copies of the results of any asbestos fibre monitoring carried out for health and safety reasons shall be submitted to the Agency within 10 days of such results becoming available to the licensee.
- 5.7.11 Detailed operational procedures on the handling, storage and monitoring of asbestos waste shall be submitted to the Agency at least two months prior to the commencement of acceptance of asbestos waste at the facility.
- 5.8 Waste Retention Time
- Unless otherwise agreed by the Agency:
- 5.8.1 No waste shall have a retention time in the waste transfer station in excess of six months.
- 5.8.2 Asbestos waste shall be removed as soon as operationally possible and, in any case, at no later date than three monthly intervals.
- 5.9 Waste and Chemical Storage Plan
- 5.9.1 Within two months from the date of grant of the licence, a waste and chemical storage plan shall be established and maintained. The plan may be paper based or electronic.
- 5.9.2 The waste storage plan shall illustrate the location, identification code, volume and content of all waste containers held at the facility. The chemical storage plan shall

illustrate the location, volume and content of all chemical containers whose volume exceeds 25 litres held at the facility.

- 5.9.3 The waste and chemical storage plan shall be updated daily by the end of each working day and shall be verified as updated by an authorised person or a nominated deputy as identified under Condition 2.1.1.

5.10 Compatibility of Wastes

5.10.1 The compatibility of wastes to be bulked-up shall be established prior to such bulking-up taking place. The procedures to be in place under Condition 5.3.2 (b) shall consider any compatibility testing that may be required, including, as far as is possible, the identification of any potentially abnormal or unusual situations.

5.10.2 A detailed procedure for the carrying out of compatibility tests shall be submitted for agreement by the Agency prior to the commencement of any bulking-up activities.

5.10.3 Records shall be maintained of all compatibility tests carried out.

5.11 Waste Electrical and Electronic Equipment (WEEE)

5.11.1 No dismantling of WEEE shall commence without prior approval from the Agency. A proposal including details of SEW, process capacity and throughputs, information on emissions or potential emissions, abatement measures, contingency and storage arrangements shall be submitted for agreement by the Agency.

5.11.2 Detailed procedures shall be submitted to the Agency for its agreement prior to the commencement of this activity.

5.12 Waste Repackaging

5.12.1 All containers accepted at the facility shall be whole and sound. Any leaking or otherwise ruptured drums or containers shall immediately be overdrummed or the contents transferred to a sound container in a manner which will not adversely affect the environment. This activity shall only be carried out in bunded areas such that any spillage arising from the activity may be contained and collected.

5.12.2 All operations involving the transfer of contents referred to in Condition 5.12.1 shall take place indoors protected against spillage. Appropriate control measures shall be put in place to minimise any emissions which may arise from such activity.

5.13 Refrigerator Processing

5.13.1 No refrigerator processing shall be carried out on-site without prior approval from the Agency.

5.13.2 At least two months prior to the commencement of commissioning of the refrigerator processing plant, SEW and an operational proposal must be submitted to the Agency for its approval; details of the following must be incorporated into the proposal:

- a) Precise process details
- b) Air emissions
- c) Noise emissions
- d) Controls methods used to prevent any potential emissions
- e) Precise details of end products of process

- f) Process flow diagram
 - g) A proposed monitoring programme
- 5.13.3 A noise prediction model shall be submitted to the Agency as part of the proposal to install and operate the refrigerator processing plant.
- 5.13.4 An air emissions model shall be submitted to the Agency as part of the proposal to install and operate the refrigerator processing plant.
- 5.13.5 The operation of the refrigerator processing plant shall be in accordance with the standards stipulated in '*Guidance on the Recovery and Disposal of Controlled Substances in Refrigerators and Freezers*': Environment Agency; Scottish Environment Protection Agency (2002), or any other standard as instructed by the Agency.
- 5.13.6 Monitoring locations, frequency of monitoring, Emission Limit Values, Methods of Analysis and monitoring parameters shall be agreed in advance by the Agency prior to the operation of the plant.
- 5.14 Repackaging/Bulking-up Compartment
- 5.14.1 The repackaging/bulking-up compartment shall not operate without prior approval from the Agency.
- 5.14.2 Details of the repackaging/bulking-up compartment for liquids must be agreed in advance by the Agency by way of SEW. The proposal must include the following as a minimum:
- a) Bunding arrangements
 - b) Drainage arrangements
 - c) Air emissions
 - d) Noise emissions
 - e) Process control equipment
 - f) Back-up, maintenance and calibration requirements
 - g) Abatement equipment
 - h) Periods of emission
 - i) Volumes to be emitted
 - j) Stack characteristics including vent diameter and height above ground level
- 5.14.3 A noise prediction model shall be submitted to the Agency as part of the proposal to install and operate the repackaging/bulking-up compartment.
- 5.14.4 An air emissions model shall be submitted to the Agency as part of the proposal to install and operate the repackaging/bulking-up compartment.
- 5.14.5 All activities conducted in the bulking-up compartment will be conducted under negative air pressure with dust filtration as a minimum.

- 5.14.6 The repackaging/bulking-up compartment will be designed in accordance with the principles outlined in the Safe Use & Handling of Flammable Liquids (HSE publication) or any other such publication/standard as instructed by the Agency.
- 5.14.7 Monitoring locations, frequency of monitoring, emission limit values, methods of analysis and monitoring parameters shall be agreed in advance by the Agency prior to the operation of the plant.

5.15 Healthcare Waste

- 5.15.1 Healthcare waste from hospitals or similar institutions shall not be accepted at the facility.
- 5.15.2 Unless otherwise agreed by the Agency, healthcare risk waste shall be removed off-site within 48 hours of its arrival on-site.
- 5.15.3 Infectious health care waste acceptable at the facility shall be restricted to wastes arising from health and welfare services provided to staff at their place of work.
- 5.15.4 Waste types accepted shall be restricted to those detailed in SOPG 025 *Acceptance of Infectious Healthcare Waste*, (Article 14 response), and agreed in advance by the Agency.
- 5.15.5 Detailed waste acceptance and handling procedures, agreed by the Agency, shall be in place prior to acceptance of waste on-site.
- 5.15.6 Procedures for the spillage of infectious healthcare waste shall be in place prior to the acceptance of the waste type on-site, procedures must take account of Condition 5.15.6.
- 5.15.7 Subject to Condition 6.7.8, all spillages of healthcare waste shall be cleaned up so as to prevent spilled fluid draining to sewer and in any case so as not to adversely affect the environment.
- 5.15.8 A designated, separate and secure storage area shall be utilised for the storage of all healthcare waste.

5.16 Off-site Disposal and Recovery

- 5.16.1 Waste sent off-site for recovery or disposal shall be conveyed only by an authorised.
- 5.16.2 All waste transferred from the facility shall be transferred only to an appropriately authorised facility.
- 5.16.3 All wastes removed off-site for recovery or disposal shall be transported from the facility to the consignee in a manner which will not adversely affect the environment.

5.17 Maintenance

- 5.17.1 All treatment/abatement and emission control equipment shall be calibrated and maintained, in accordance with the instructions issued by the manufacturer/supplier or installer. Written records of the calibrations and maintenance shall be made and kept by the licensee.
- 5.17.2 The licensee shall maintain and clearly label and name all sampling and monitoring locations.

- 5.17.3 The baler and shredder equipment shall be maintained in accordance with the manufacturers instructions.

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

CONDITION 6 EMISSIONS

- 6.1. No specified emission from the facility shall exceed the emission limit values set out in *Schedule C: Emission Limits* of this licence. There shall be no other emissions of environmental significance.
- 6.2. The licensee shall ensure that the activities shall be carried out in a manner such that emissions do not result in significant impairment of, or significant interference with the environment beyond the facility boundary.
- 6.3. Emission limits for emissions to atmosphere in this licence shall be interpreted in the following way.
- 6.3.1. Non-Continuous Monitoring
- (i) For any parameter where, due to sampling/analytical limitations, a 30 minute samples is inappropriate, a suitable sampling period should be employed and the value obtained therein shall not exceed the emission limit value.
 - (ii) For all other parameters, no 30 minute mean value shall exceed the emission limit value.
 - (iii) For flow, no hourly or daily mean value shall exceed the emission limit value.
- 6.4. There shall be no direct emissions to groundwater.
- 6.5. There shall be no clearly audible tonal component or impulsive component in the noise emissions from the activity at the noise sensitive locations.
- 6.6. Disposal of Foul Water
- 6.6.1. No foul water shall be discharged to surface water.
- 6.7. Emissions to Sewer
- 6.7.1. No specified discharge or emission to sewer shall exceed the emission limit value set out in *Schedule C: Emissions Limits for Foul Water Emissions to Sewer*. There shall be no other discharge or emission to sewer of environmental significance.
- 6.7.2. Monitoring and analysis of each discharge or emission to sewer shall be carried out as specified in *D.5: Foul Water Emissions*.
- 6.7.3. Monitoring and analytical equipment shall be operated and maintained as necessary so that monitoring accurately reflects the discharge or emission.
- 6.7.4. No substance shall be present in emissions to sewer in such concentrations as would constitute a danger to sewer maintenance personnel working in the sewerage system, or as would be damaging to the fabric of the sewer, or as would interfere with the biological functioning of a downstream wastewater treatment works.
- 6.7.5. The licensee shall permit authorised persons of the Agency and the Sanitary Authority to inspect, examine and test, at all reasonable times, any works and apparatus

installed, in connection with the discharge or emission, and to take samples of the discharge or emission.

- 6.7.6. No discharge or emission to sewer shall take place which might give rise to any reaction within the sewer or to the liberation of by-products which may be of environmental significance.
 - 6.7.7. 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.
 - 6.7.8. Non-trade effluent wastewater (e.g. firewater, accidental spillage) which occurs on-site shall not be discharged to the sewer without the prior authorisation of the Sanitary Authority.
 - 6.7.9. The licensee shall provide and maintain an inspection chamber in a suitable position in connection with each pipe through which a discharge or emission is being made. Each such inspection chamber or manhole shall be constructed and maintained by the licensee so as to permit the taking of samples of the discharge.
 - 6.7.10. The licensee shall submit monitoring results to the Sanitary Authority on an annual basis.
 - 6.7.11. The trade effluent shall be screened prior to discharge to remove gross solids and avoid blockages to sewer.
 - 6.7.12. Material classified as 'hazardous waste' under the Waste Management Act, 1996, shall not be discharged to sewer.
 - 6.7.13. The licensee shall provide a means of measuring the volumes of trade effluent discharged to foul sewer. These volumes shall be submitted to the Sanitary Authority on a quarterly basis.
- 6.8. Emission limit values for foul water emissions to sewer in this licence shall be interpreted in the following way:-
- a) Continuous monitoring.
No flow value shall exceed the specified limit.
 - b) Non-Continuous monitoring.
Eight out of ten consecutive results, calculated as daily mean concentration or mass emission values on the basis of flow proportional composite sampling shall not exceed 1.2 times the emission limit value.
 - c) No grab sample shall exceed 1.2 times the emission limit value.

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

CONDITION 7 NUISANCE CONTROL

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

- 7.2 The road network in the vicinity of the facility shall be kept free from any debris caused by vehicles entering or leaving the facility. Any such debris or deposited materials shall be removed without delay.
- 7.3 Litter Control
- 7.3.1 All loose litter or other waste, placed on or in the vicinity of the facility, other than in accordance with the requirements of this licences, shall be removed, subject to the agreement of the landowners, immediately and in any event by 10.00am of the next working day after such waste is discovered.
- 7.3.2 The licensee shall ensure that all vehicles delivering waste to and removing waste and materials from the facility are appropriately covered.
- 7.4 Dust/Odour Control
- 7.4.1 All non-hazardous waste for disposal stored overnight at the facility, shall be stored in suitably covered and enclosed containers within the Waste Transfer Building, and shall be removed from the facility within forty eight hours of its arrival at the facility.
- 7.4.2 Prior to the date of commencement of the waste activities at the facility, the licensee shall install and provide adequate measures for the control of odours and dust emissions, including fugitive dust emissions, from the facility. Such measures shall at a minimum include the following:-
- 7.4.2.1 Dust curtains shall be maintained on the entry/exit points from the waste transfer building, all other doors in this building shall be kept closed where possible.
- 7.4.2.2 Provision of 100% duty capacity and 25% stand by capacity, back ups and spares must be provided for the air handling, ventilation and abatement plant.
- 7.4.3 Within 3 months of the date of grant of the licence submit an odour management plan to the Agency for its approval to include the following; detailed measures taken to prevent odour escaping off-site from the handling of sewage sludge; the feasibility of the installation of a negative air pressure system throughout the building to ensure no significant escape of odours or dust; details of installation of a odour management system.

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

CONDITION 8 MONITORING

- 8.1. The licensee shall carry out such monitoring and at such locations and frequencies as set out in *Schedule D: Monitoring* of this licence. Unless otherwise specified by this licence, all environmental monitoring shall commence no later than two months after the date of grant of this licence.
- 8.2. The licensee shall amend the frequency, locations, methods and scope of monitoring as required by this licence only upon the written instruction of the Agency and shall provide such information concerning such amendments as may be requested in writing by the Agency. Such alterations shall be carried out within any timescale nominated by the Agency.
- 8.3. Monitoring and analysis equipment shall be operated and maintained in accordance with the manufacturers' instructions (if any) so that all monitoring results accurately reflect any emission, discharge or environmental parameter.

- 8.4. The licensee shall provide safe and permanent access to all on-site sampling and monitoring points and to off-site points as required by the Agency.
- 8.5. The licensee shall maintain all sampling and monitoring points, and clearly label and name all sampling and monitoring locations, so that they may be used for representative sampling and monitoring.
- 8.6. The licensee shall install on all emission points such sampling points or equipment, including any data-logging or other electronic communication equipment, as may be required by the Agency. All such equipment shall be consistent with the safe operation of all sampling and monitoring systems.
- 8.7. Within one month of the date of grant of this licence, the licensee shall maintain on-site a register of the names, qualifications and a summary of relevant experience of all persons that will carry out all sampling and monitoring as required by this licence and who carry out the interpretation of the results of such sampling and monitoring.
- 8.8. All automatic monitors and samplers shall be functioning at all times (except during maintenance and calibration) when the activity is being carried on, unless alternative sampling or monitoring has been agreed, in writing, by the Agency for a limited period. In the event of the malfunction of any continuous monitor, the licensee shall contact the Agency as soon as practicable, and alternative sampling and monitoring facilities shall be put in place. Prior written agreement for the use of alternative equipment, other than in emergency situations, shall be obtained from the Agency.
- 8.9. Nuisance Monitoring
- 8.9.1. The licensee shall, at a minimum of one week intervals, inspect the facility and its immediate surrounds for nuisances caused by litter, vermin, birds, flies, mud, dust, noise and odours.

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

CONDITION 9 CONTINGENCY ARRANGEMENTS

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

- 9.2. The licensee shall, within two months of the date of grant of this licence, submit a written Emergency Response Procedure (ERP) to the Agency for its agreement. The ERP shall address any emergency situations which may originate on the facility and shall include provision for minimising the effects of any emergency on the environment. This shall include a risk assessment to determine the requirements at the facility for fire fighting and fire water retention facilities. The Fire Authority shall be consulted by the licensee during this assessment.
- 9.3. The licensee shall have in storage an adequate supply of containment booms and/or suitable absorbent material to contain and absorb any spillage at the facility. Once used the absorbent material shall be disposed of at an appropriate facility.
- 9.4. Emergencies
- 9.4.1. In the event of a complete breakdown of equipment or any other occurrence which results in the closure of the transfer station building, any waste arriving at or already collected at the facility shall be transferred directly to appropriate landfill sites or any other appropriate facility until such time as the transfer station building is returned to a fully operational status. Such a breakdown event will be treated as an emergency and rectified as soon as possible.
- 9.4.2. All significant spillages occurring at the facility shall be treated as an emergency and immediately cleaned up and dealt with so as to alleviate their effects.
- 9.4.3. No waste shall be burnt within the boundaries of the facility. A fire at the facility shall be treated as an emergency and immediate action shall be taken to extinguish it and notify the appropriate authorities.

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

CONDITION 10 RECORDS

- 10.1 The licensee shall keep the following documents at the facility office:-
- a) the current waste licence relating to the facility;
 - b) the current EMS for the facility;
 - c) the previous year's AER for the facility; and
 - d) all written procedures produced by the licensee which relate to the licensed activities.
- 10.2 The licensee shall maintain a written record for each load of waste arriving at and departing from the facility. The licensee shall record the following:-
- a) the date;
 - b) the name of the carrier (including if appropriate, the waste carrier registration details);
 - c) the vehicle registration number;
 - d) the name of the producer(s)/collector(s) of the waste as appropriate;
 - e) the name of the waste facility (if appropriate) from which the load originated including the waste licence or waste permit register number;
 - f) the method used to process/sort the waste at the facility
 - g) a description of the waste including the associated EWC codes;
 - h) the quantity of the waste, recorded in tonnes;
 - i) the name of the person checking the load;

- j) 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;
- k) where applicable a consignment note number (including transfrontier shipment notification and movement/tracking form numbers, as appropriate);
- l) written confirmation that the consigned waste has reached its destination and/or has been subjected to the recovery/disposal process for which it was destined, as appropriate; and
- m) TFS documentation as appropriate.

10.3 Written Records

The following written records shall be maintained by the licensee:-

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

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

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

10.5 A written record shall be kept of each consignment of foul water removed from the facility. The record shall include the following:-

- a) the name of the carrier;
- b) the date and time of removal of foul water from the facility;
- c) the volume of foul water, in cubic metres, removed from the facility on each occasion;
- d) the name and address of the Waste Water Treatment Plant to which the foul water was transported; and
- e) any incidents or spillages of foul water during its removal or transportation.

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

- a) the date and time during which spraying of insecticide is carried out;
- b) contractor details;
- c) contractor logs and site inspection reports;

- d) details of the rodenticide(s) and insecticide(s) used;
- e) operator training details;
- f) details of any infestations;
- g) mode, frequency, location and quantity of application; and,
- h) measures to contain sprays within the facility boundary.

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

CONDITION 11 REPORTS AND NOTIFICATIONS

- 11.1 No alteration to, or reconstruction in respect of, the activity or any part thereof which would, or is likely to, result in:
- a) A material change or increase in:
 - The nature or quantity of any emission;
 - The abatement/treatment or recovery systems;
 - The range of processes to be carried out;
 - The fuels, raw materials, products or wastes to be generated or accepted, or
 - b) Any changes in:
 - The site management and control with adverse environmental significance,
 shall be carried out or commenced without prior notice to, and without the prior written agreement of, the Agency.
- 11.2 Unless otherwise agreed by the Agency, all reports and notifications submitted to the Agency shall:-
- a) be sent to the Agency's Headquarters;
 - b) comprise one original and three copies unless additional copies are required;
 - c) be formatted in accordance with any written instruction or guidance issued by the Agency;
 - d) include whatever information as is specified in writing by the Agency;
 - e) be identified by a unique code, indicate any modification or amendment, and be correctly dated to reflect any such modification or amendment;
 - f) be submitted in accordance to the relevant reporting frequencies specified by this licence, such as in *Schedule E: Recording and Reporting to the Agency* of this licence;
 - g) be accompanied by a written interpretation setting out their significance in the case of all monitoring data; and
 - h) be transferred electronically to the Agency's computer system if required by the Agency.
- 11.3 In the event of an incident occurring on the facility, the licensee shall:-
- a) notify the Agency as soon as practicable and in any case not later than 10.00 am the following working day after the occurrence of any incident;

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

11.4 Waste Recovery Reports

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

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

11.5 Monitoring Locations

11.5.1. Within three months of the date of grant of this licence, the licensee shall prepare for inclusion in the AER, an appropriately scaled drawing(s) showing all the monitoring locations that are stipulated in this licence. The drawing(s) shall include the reference code of each monitoring point.

11.6 Annual Environmental Report

11.6.1 The licensee shall submit to the Agency for its agreement, by 31st March each year an Annual Environmental Report (AER).

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

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

CONDITION 12 CHARGES AND FINANCIAL PROVISIONS

12.1 Agency Charges

- 12.1.1 The licensee shall pay to the Agency an annual contribution of € 18,162.50 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 2005 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 2004, the licensee shall pay a pro rata amount from the date of this licence to 31st December. This amount shall be paid to the Agency within one month of the date of grant of this licence.
- 12.1.2 In the event that the frequency or extent of monitoring or other functions carried out by the Agency needs to be increased the licensee shall contribute such sums as determined by the Agency to defraying its costs in regard to items not covered by the said annual contribution.

12.2 Financial Provision for Closure, Restoration and Aftercare

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

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

Where:

Cost = Revised restoration and aftercare cost.

ECOST = Existing restoration and aftercare cost.

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

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

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

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

12.3 Sanitary Authority Charges.

12.3.1 The licensee shall pay to the Sanitary Authority a quarterly charge of €1.60 per cubic metre of trade effluent discharged to the foul sewer or such sum as may be determined from time to time, having regard to the variations in the cost of providing drainage and the variation in effluent reception and treatment costs. This amount shall be paid to the Sanitary Authority within one month of the date of grant of this licence and quarterly thereafter within one month of the date of notification by the Sanitary Authority of the updated quarterly amount.

12.3.2 The licensee shall pay to the Sanitary Authority an annual charge of €1,620 or such sum as may be determined from time to time, towards the cost of monitoring the discharge of trade effluent. This amount shall be paid to the Sanitary Authority within one month of the date of grant of this licence and annually thereafter within one month of the date of of notification by the Sanitary Authority of the updated annual amount.

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

SCHEDULE A : Waste Acceptance

A.1 Waste Acceptance

Table A.1 Waste Categories and Quantities

WASTE TYPE ^{Note 1}	MAXIMUM (TONNES PER ANNUM) ^{Note 2}
Household Waste	7,000
Sewage Sludge	2,000
Construction and Demolition Waste	1,000
Industrial Sludge	2,000
Commercial and Industrial Waste-	15,000
Hazardous Waste as listed in Table E.2.2 entitled ' <i>Hazardous waste Types and Quantities</i> ' of the application.	33,000
TOTAL	60,000

Note 1 Other waste types compatible with the facility operation may be accepted subject to prior written agreement by the Agency.

Note 2 There shall be no increase or variation in any of the waste types accepted without prior written agreement by the Agency.

SCHEDULE B : Specified Engineering Works

Specified Engineering Works
Installation of silt traps and oil interceptors.
Installation of dust/odour system.
Installation of waste handling, processing, recycling/recovery infrastructure and installation of increased waste processing capacity.
Installation of emissions abatement equipment.
Installation of sumps, bunds or other drainage controls.
Installation of refrigerator reprocessing equipment.
Installation of bulking-up compartment.
Any other works notified in writing by the Agency.

SCHEDULE C : Emission Limits

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

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

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

Level (mg/m ² /day) ^{Note 1}
350

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

C.3 Emission Limits for Foul Water Emissions to Sewer

Emission Point Reference No.

TfFW1

Volume to be emitted:^{Note 1}

Maximum in any one day: 5 m³

Maximum rate per hour: 2 m³/hr

Parameter	Emission Limit Value		
	Grab Sample (mg/l)	Daily Mean Concentration (mg/l)	Daily Mean Loading (kg/day)
BOD	3000	2000	10
COD	6000	4000	20
Ammoniacal Nitrogen N (NH ₄ -N)	100	70	0.35
Suspended solids	1500	1000	5
Sulphates (as SO ₄)	1000	1000	5
pH	6-10	6-10	
Temperature	42°C	42°C	
Detergents (as MBAS)	100	100	0.5
Fats, Oils, Grease	100	100	0.5
Phosphates (as PO ₄ -P)	100	100	0.5

Note 1: Subject to compliance with Condition 6.7.8

C.4 Emissions to Atmosphere

Emission Point Reference No.

Tf A1

Parameter	Emission Limit Value
Total Particulates	20 mg/m ³
T. A. Luft Organics General	50mg/m ³ (as total carbon) (mass flow ≥ 0.5 kg/h)

SCHEDULE D : Monitoring

Monitoring to be carried out as specified below.

D.1 Monitoring Locations

Monitoring locations shall be those as set out in Table D.1.1.

Table D.1.1 Monitoring Locations

Noise	Sewer Emission Point	Groundwater	Surface water	Dust	Air Emission Point
Stations ^{Note 1}	Stations ^{Note 1}	Stations	Stations ^{Note 1}	Stations ^{Note 3}	Stations ^{Note 1}
Tf N1	TfFW1	^{Note 2}	Tf SW1	D1	Tf A1
Tf N2				D2	
Tf N3				D3	
				D4	

Note 1: Locations as per Drawing No. 569-42-108 'Locations of Environmental Monitoring Points'.

Note 2: Locations to be agreed with the Agency in accordance with Condition 3.16.1.

Note 3: Locations as per Figure 5.3 of Volume 2 of EIS.

D.2 Dust

Table D.2.1 Dust Monitoring Frequency and Technique

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

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

Note 2: Twice during the period May to September.

D.3 Noise

Table D.3.1 Noise Monitoring Frequency and Technique

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

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

D.4 Stormwater Sewer Emissions

Table D.4.1 Monitoring and Frequency Technique

Parameter	Monitoring Frequency	Analysis Method/Technique
pH	Quarterly	Standard ^{Note 1}
COD	Quarterly	Standard ^{Note 1}
Conductivity	Quarterly	Standard ^{Note 1}

Note 1: Sampling and analytical techniques must be based on standard methods which have been demonstrated as suitable for the measurement of the target substances.

D.5 Foul water Emissions

Table D.5.1 Foul water Monitoring Frequency and Techniques

Parameter	Monitoring Frequency	Analysis Method/Technique
PH	Every Two Months	Electrometry
Biological Oxygen Demand	Every Two Months	Standard Methods ^{Note 1}
Suspended Solids	Every Two Months	Standard Methods ^{Note 1}
Fats, Oils, Grease	Every Two Months	Standard Methods ^{Note 1}
Temperature	Every Two Months	Temperature probe
Sulphates (as SO ₄)	Every Two Months	Standard Methods ^{Note 1}
Ammoniacal nitrogen	Every Two Months	Standard Methods ^{Note 1}
Phosphates (as PO ₄ -P)	Every Two Months	Standard Methods ^{Note 1}
Chemical Oxygen Demand	Every Two Months	Standard Methods ^{Note 1}
Detergents (as MBAS)	Every Two Months	Standard Methods ^{Note 1}

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

D.6 Groundwater

Table D.6.1 Monitoring Parameters and Frequency

Parameter ^{Note 1}	Monitoring Frequency
Visual Inspection/Odour ^{Note 2}	Quarterly
Groundwater Level ^{Note 4}	Quarterly
Dissolved Oxygen	Quarterly
Electrical Conductivity	Quarterly
pH ^{Note 4}	Quarterly
Sulphate	Quarterly
Chloride	Quarterly
Total Organic Carbon	Quarterly
List I/II Organic Substances ^{Note 3}	Annually
Metals	Annually

Note 1: All the analysis shall be carried out by a competent laboratory using standard and internationally accepted procedures.

Note 2: Where there is evidence of gross contamination of groundwater, additional samples should be analysed.

Note 3: Samples screened for the presence of organic compounds using Gas Chromatography / Mass Spectrometry (GC/MS) or other appropriate techniques and using the list I/II Substances from EU Directive 76/464/EEC and 80/68/EEC as a guideline. Recommended analytical techniques include: volatiles (US Environmental Protection Agency method 524 or equivalent), semi-volatiles (US Environmental Protection Agency method 525 or equivalent), and pesticides (US Environmental Protection Agency method 608 or equivalent).

Note 4: For groundwater and surface water these parameters should be measured on-site with a portable electronic meter.

D.7 Emissions to Atmosphere

Emission Point Reference No. Tf A1

Table D.7.1 Air Monitoring Frequency and Techniques

Parameter	Monitoring Frequency	Analysis Method/Technique
Volatile Organics (T. A. Luft Class I, II and III)	Annually	Adsorption / Desorption, GCMS Note 1
ODS ^{Note 2}	Biannually	To be agreed
Particulates	Biannually	Isokinetic / Gravimetric

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

Note 2: To be agreed subject to Condition 5.13.

D.8 Asbestos Fibre Monitoring

Monitoring Locations: Two locations to be agreed with the Agency

Monitoring Frequency: As per Table D.8.1

Table D.8.1 Asbestos Fibre Monitoring

Parameter (fibres/ml)	Monitoring Frequency	Analysis Method/Technique
Asbestos Fibre Concentration	Quarterly ^{Note 1}	Standard Method ^{Note 2}

Note 1: Monitoring shall be performed at least one month prior to the acceptance of asbestos at the facility.

Note 2: Method used shall be 'Asbestos Fibre in Air' Health and Safety Executive MDHS 39/4, UK (1995) or another method agreed by the Agency. Monitoring shall be carried out by an independent laboratory agreed by the Agency.

SCHEDULE E : Recording and Reporting to the Agency

Recurring Reports

Report	Reporting Frequency ^{Note1}	Report Submission Date
Environmental Management System Updates	Annually	As part of the AER.
Annual Environment Report (AER)	Annually	By 31 March of each calendar year.
Record of incidents	As they occur	Within five days of the incident.
Bund, tank and container integrity assessment	Every three years	Six months from the date of grant of licence every three years thereafter as part of the AER.
Specified Engineering Works reports	As they arise	Prior to the works commencing.
Any other monitoring	As they occur	Within ten days of obtaining results.

Note 1: Unless altered at the request of the Agency

SCHEDULE F : Content of the Annual Environmental Report

Annual Environmental Report Content

Reporting Period.

Waste activities carried out at the facility.

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

Report on emissions.

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

Resource and energy consumption summary.

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

Schedule of Environmental Objectives and Targets for the forthcoming year.

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

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

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

Reported Incidents and Complaints summaries.

Review of Nuisance Controls.

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

Volume of foul water produced and volume of foul water transported off-site.

Any other items specified by the Agency.

Note 1: Content to be revised subject to the agreement of the Agency after cessation of waste acceptance at the facility.

Signed on behalf of the said Agency
on the 27th day of April, 2004

Patrick J. Nolan

Authorised Person