

AMENDMENT UNDER S42B(1) OF THE WASTE MANAGEMENT ACTS, 1992 TO 2003

This licence was amended on 7 April 2005 under Section 42B(1) of the Waste Management Acts 1996 to 2003. The details of the amendment must be read in conjunction with this licence and are attached to the end of this licence. The amendment document is entitled 58-1S42B(1)(c)AmendmentA.

LICENCE REG NO. W0058-01 HAS BEEN TRANSFERED

Please note that Licence Reg. No W0058-01 was transferred to Greenstar Limited on 13-06-2006, For further information on this please refer to Transfer Notification on the Agency's website.

This licence was also amended on 16th January 2013 under Section 42B(1) of the Waste Management Acts, 1996 to 2012. The details of Amendment B must be read in conjunction with this licence. The amendment document is entitled "Technical Amendment B".

LICENCE REG NO W0058-01 HAS BEEN TRANSFERRED

Please note that licence Reg No W0058-01 was Transferred to Starrus Eco Holdings Limited on 4th March 2014, for further information on this please refer to Transfer Notification on the Agency's website

This licence was amended on 27th November 2015 under Section 76A(11) of the Waste Management Act 1996 as amended. The details of the Amendment must be read in conjunction with this licence. The amendment document is entitled "**IED Amendment**"

This licence was amended on 21st June 2016 under section S96(1)(b) of the Environmental Protection Agency Act, as amended. The details of Amendment C must be read in conjunction with this licence. The amendment document is entitled "Technical Amendment C"



Headquarters,
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WASTE LICENCE

Waste Licence	58-1
Register Number:	
Licensee:	Waste Disposal (Sligo) Limited
Location of Facility:	Deepwater Quay, Sligo, Co. Sligo

Introduction

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

This licence is for the orderly operation and development of the private waste transfer station known as Waste Disposal (Sligo) Ltd., located at Deepwater Quay, Sligo.

Waste Disposal (Sligo) Ltd. will be permitted to accept up to a maximum of 100,000 tonnes per annum of waste for processing and/or transfer for disposal or recovery. Waste activities permitted to be carried out at the facility include the following:

- Bulking and transfer of waste
- Baling of paper
- Wood chipping
- Recovery of metals
- Recovery and grading of glass and
- Recovery of construction and demolition waste.

Waste Disposal (Sligo) Ltd. will also be required to maintain a Civic Waste Facility at this facility.

Waste Disposal (Sligo) Ltd. are only allowed to accept as much waste on a daily basis as can be processed at the facility, and must manage and operate the facility to ensure that the waste activities do not cause environmental pollution. The company has to carry out regular environmental monitoring and submit all monitoring results, and a number of reports on the operation and management of the facility to the Agency.

The conditions of this licence set out in detail the legal constraints under which Waste Disposal (Sligo) Ltd. is allowed to operate and manage this facility.

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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 and objections received and the reports of its inspectors.

Part I: Waste 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 Waste Disposal (Sligo) Ltd., Deepwater Quay, Sligo, Co. Sligo to carry on the waste activities listed below at Deepwater Quay, Sligo, Co. Sligo subject to eleven conditions, with the reasons therefor and the associated schedules attached thereto set out in the licence.

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

Class 11.	Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule. This activity is limited to bulking and transfer of waste
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 is limited to storage prior to bulking and transfer of waste

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

Class 2.	Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes). This activity is limited to recovery of paper, wood, plastic and organic waste
Class 3.	Recycling or reclamation of metals and metal compounds. This activity is limited to the recovery of metals
Class 4.	Recycling or reclamation of other inorganic materials. This activity is limited to recovery of glass and construction and demolition waste
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 prior to recovery.

INTERPRETATION

Act	The Waste Management Act, 1996 (No. 10 of 1996).
Adequate Lighting	20 lux measured at ground level.
Agency	Environmental Protection Agency
Agreement	Agreement in writing.
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, 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.
Annually	All or part of a period of twelve consecutive months.
Appropriate Facility	A waste management facility, duly authorised under relevant law and technically suitable.
BATNEEC	Best Available Technology Not Entailing Excessive Cost as defined in section 5 (2) of the Act.
Bund	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.
Commercial Waste	As defined in Section 5 (1) of the Act.
Condition	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.
Containment Boom	A boom which can contain spillages and prevent these from entering drains or watercourses.
Daily	Consecutive 24 hour periods.
Day	A period from 0.00 hours to 2400 hours.
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.
Emission	As defined in Section 5 (1) of the Act.
Emission Limit Value	Those limits, including concentration limits and deposition levels established in <i>Schedule F: Emission Limit Values</i> of this licence.

Environmental Pollution	As defined in Section 5 (1) of the Act.
European Waste Catalogue (EWC)	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.
Facility	That area or areas defined under Condition 1.2.
Foul Water Emissions	Foul water emissions shall include washwater and domestic sewage emissions from the facility.
Hazardous Waste	As defined in Section 4 (2) of the Act.
Household Waste	As defined in Section 5 (1) of the Act.
Incident	Any reference to an incident in this licence means an incident as defined in Condition 3.1.
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.
Impulsive Noise	As defined in British Standard BS 4142, 1990. "Method for rating industrial noise affecting mixed residential and industrial areas".
Instruction	Instruction in writing.
Licence	A Waste Licence issued in accordance with the Act.
Licensee	Waste Disposal (Sligo) Ltd., Deepwater Quay, Sligo, Co. Sligo.
List I/II Organics	Substances classified pursuant to EC Directives 76/464/EEC and 80/68/EEC.
Liquid Waste	Any waste in liquid form and containing less than 2% dry matter.
Maintain	Keep in a fit state, including such regular inspection, servicing 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	At least 12 times per year, at approximately monthly intervals.
Municipal Waste	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.
Non-hazardous Waste	Non-Hazardous Waste is any waste which is not a hazardous waste as defined in the Act.
Oil Separator/interceptor	Device installed according to the draft European Standard prEN 858 (Installations for the separation of light liquids, e.g. oil and petrol).
Putrescible Waste	Waste which is readily biodegradable such as vegetable matter, green waste, etc.
Quarterly	A period of three calendar months, the first period of which commences on the date of grant of this licence.
Recovery	As defined in Section 4 (4) of the Act.
Sample(s)	Unless the context of this licence indicates to the contrary, samples shall include measurements by electronic instruments.
Sludge	The accumulation of solids resulting from chemical coagulation, flocculation and/or sedimentation after water or wastewater treatment with between 2% and 14% dry matter.
Specified Emissions	Those emissions listed in <i>Schedule F: Emission Limit Values</i> of this licence.
Specified Engineering Works	Those engineering works listed in <i>Schedule D: Specified Engineering Works</i> of this licence.
Submit	Unless the context of this licence indicates otherwise, submit to the Agency in writing for agreement.
Tonal Noise	As defined in International Standards Organisation "Acoustics – description and measurement of environmental noise", Part 2, 1996.
Trigger Level	A parameter value which when achieved or exceeded requires certain actions to be taken.
Waste	As defined in Section 4(1) of the Act.
Waste Disposal Activity	Includes the waste activities referred to in Section 4 of the Act and listed in the Third Schedule thereto.
Waste Recovery Activity	Includes the waste activities referred to in Section 4 of the Act and listed in the Fourth Schedule thereto.
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.
Working Day at the Facility	8.00 a.m. – 7.30 p.m. Monday to Friday inclusive, and; 8.00 a.m. – 4.00 p.m. on Saturday.

Part II: CONDITIONS

CONDITION 1 SCOPE

- 1.1. Waste activities at the facility shall be restricted to those listed and described in Part I: Waste Activities Licensed and required by the licence. All programmes required to be carried out under the terms of this licence become part of this licence.
 - 1.2. Waste activities shall be restricted to the area of land outlined in red on Figure 1.3.1 of the E.I.S. (labelled Site Layout) of the application. Any reference in this licence to "facility" shall mean the area thus outlined in red. This area shall be clearly delimited from the neighbouring meal plant by means of suitable signage and marking within three months of date of grant of licence.
 - 1.3. No hazardous wastes or liquid wastes (apart from vegetable oils and batteries) shall be accepted at the facility. In addition, only the wastes specifically listed in Table E.1.3 of the waste licence application shall be accepted at the facility.
 - 1.4. The quantity of wastes to be accepted at the facility shall not exceed 100,000 tonnes per annum subject to those waste categories and quantities listed in *Schedule G: Waste Categories and Quantities* of this licence.
 - 1.5. Waste for recycling/recovery to be accepted at the Civic Waste Facility shall be limited to cardboard, paper, plastic, glass bottles, beverage cans, batteries, timber, green waste, white goods and other metals unless otherwise agreed by the Agency. These waste types shall be stored in separate and adequate containers.
 - 1.6. Hours of operation
 - 1.6.1. Waste shall only be accepted at the facility between the hours of;
 - 8.00 a.m. – 5.30 p.m. Monday to Friday inclusive, and;
 - 8.00 a.m. – 2.00 p.m. on Saturdays;
 - A period on Sundays and bank holidays to be agreed with the Agency for the acceptance of road sweepings and gully emptyings only.
 - 1.6.2. The facility shall only be operated between the hours of;
 - 8.00 a.m. – 7.30 p.m. Monday to Friday inclusive, and;
 - 8.00 a.m. – 4.00 p.m. on Saturdays;
 - A period on Sundays and bank holidays as agreed with the Agency under Condition 1.6.1.
- The facility shall not operate or accept waste on Sundays or bank holidays.
- 1.7. 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.

- 1.8. 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.
- 1.9. 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 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 suitably qualified and experienced deputy, shall be present at all times during the operation of the facility.

2.1.2 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.

2.2 Management Structure

2.2.1 The licensee shall, within six months from the date of grant of this licence, submit written details of the management structure of the facility to the Agency. Any proposed changes in the management structure shall be submitted in writing to the Agency. This management structure shall include;

- 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 of each individual named under a) above;
- c) details of the relevant experience, competence and qualifications held by each of the persons nominated under a) above; and
- d) contingency arrangements for the absences of the named persons from the facility.

2.3 Environmental Management System

2.3.1 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.

2.3.2 The EMS shall include as a minimum those elements specified below:

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 Programme

The EMP shall include, as a minimum, the information specified in *Schedule A: Content of the Environmental Management Programme* of this licence and shall comply with any other written guidance issued by the Agency.

2.3.2.3 Corrective Action Procedures

The Corrective Action Procedures should detail the corrective actions to be taken should specified requirements of this licence not be fulfilled.

2.3.2.4 Awareness and Training Programme

The Awareness and Training Programme shall identify training needs for personnel whose work is related to the licensed facility.

2.4 Communications

2.4.1 The licensee shall, within twelve months from the date of grant of this licence, 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.

2.5 Annual Environmental Report

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

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

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:
- any nuisance caused by the activity;
 - any emission which does not comply with the requirements of this licence;
 - any trigger level specified in this licence which is attained or exceeded;
 - any indication that environmental pollution has, or may have, taken place; and
 - any emergency.
- 3.2 The written record shall include all aspects described in Condition 10.7(a-f).
- 3.3 Unless otherwise instructed in writing by the Agency, the licensee shall:
- notify the Agency as soon as practicable and in any case not later than 10.00 a.m. the following working day after the occurrence of any incident;
 - submit the written record required by this condition to the Agency as soon as practicable and in any case within five working days after the occurrence of any incident; and
 - in the event of any incident which relates to discharges to surface water, notify the North-Western Regional Fisheries Board and Sligo County Council as soon as practicable and in any case not later than 10.00 a.m. on the following working day after such an incident.
- 3.4 Should any further actions be taken after the date of written notification, as a result of an incident occurring, the licensee shall forward a written report of those actions to the Agency as soon as practicable and no later than ten days after the initiation of those actions.
- 3.5 Unless otherwise agreed by the Agency, all documentation submitted to the Agency shall:
- comprise one original and three copies;
 - be formatted in accordance with any written instruction or guidance issued by the Agency;
 - include whatever information as is specified in writing by the Agency;
 - be identified by a unique code, indicate any modification or amendment, and be correctly dated to reflect any such modification or amendment;
 - be submitted in accordance with the relevant reporting frequencies specified by this licence; and
 - in the case of results of any environmental monitoring, be accompanied by a written interpretation setting out their significance.
- 3.6 Copies of all environmental monitoring data obtained by the licensee which relates to the facility shall be forwarded to the Agency at the frequencies set out in *Schedule C: Recording and Reporting to the Agency* of this licence.
- 3.7 All documentation and records required to be made under this licence shall be retained by the licensee.
- 3.8 The licensee shall provide additional copies of any documentation and records referred to in this licence to the Agency upon written request, within the time specified in writing by the Agency.
- 3.9 The licensee shall keep the following documents at the facility office;
- the current waste licence relating to the facility;

- b) the current EMS for the facility;
 - c) the previous year's AER for the facility;
 - d) all written procedures produced by the licensee which relate to the licensed waste activities.
- 3.10 The licensee shall maintain a written record, or a record in a format to be agreed with the Agency, for each load of waste arriving at and departing from the facility (excluding domestic vehicles using the Civic Waste 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) a description of the waste including the associated EWC codes
 - f) the quantity of the waste accepted at or removed from the facility, recorded in tonnes;
 - g) the name of the person checking the load;
 - h) where loads or wastes are removed or rejected, details of the date of occurrence, the types of waste and the facility to which they were removed; and
 - i) the destination of the load (facility name and waste permit register number as appropriate).
- 3.11 The licensee shall maintain a written record of the type (including associated EWC codes) and quantity, recorded in tonnes, of all waste recovered at the facility.
- 3.12 The licensee shall maintain a written record of all complaints relating to the operation of the activity. Each such record shall give details of the following:
- a) date and time of the complaint;
 - b) the name of the complainant;
 - c) details of the nature of the complaint;
 - d) actions taken on foot of the complaint and the results of such actions; and,
 - e) the response made to each complainant.
- 3.13 Provision shall be made for the transfer of environmental information specified by the Agency, in relation to the waste activities carried on under this licence, to the Agency's computer system within a timescale specified in writing by the Agency.

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

CONDITION 4 FACILITY INFRASTRUCTURE

- 4.1 The licensee shall establish all infrastructure referred to in this licence prior to the commencement of the licensed waste activities or as instructed by the Agency.
- 4.2 Facility Notice Board

- 4.2.1 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.
- 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 licence reference number;
 - f) where and when environmental monitoring information relating to the facility can be obtained.
- 4.3 Facility Security
- 4.3.1 Within six months of the date of grant of this licence security fencing and gates shall be installed and maintained around the facility to a minimum height of 2m. The base of any fencing shall be set in the ground.
- 4.3.2 The licensee shall remedy any defect in the gates and/or fencing as follows:
- a) a temporary repair shall be made by the end of the working day; and,
 - b) a repair to the standard of the original gates and/or fencing shall be undertaken within three working days or as otherwise agreed with the Agency.
- 4.3.3 Gates shall be locked shut and the doors to the waste transfer building closed when the facility is unsupervised.
- 4.4 Facility Roads, Roof Cladding and Hardstanding
- 4.4.1 Within twelve months of the date of grant of this licence the facility entrance area, parking area, all areas where vehicle movement takes place and where waste handling and storage occur shall be impermeable hardstand.
- 4.4.2 All new hardstanding areas at the facility shall be concrete slabs constructed to British Standard 8110 or other standard agreed in advance with the Agency.
- 4.4.3 Within six months of the date of grant of this licence an assessment by a suitably qualified engineer shall be carried out, which shall examine the state of existing hardstand and roof cladding of the waste transfer building and structural improvements required thereto. Any necessary improvements identified shall be carried out within twelve months of the date of grant of this licence.
- 4.5 The licensee shall provide and maintain an office on the facility. The office shall be constructed and maintained in a manner suitable for the processing and storing of documentation.
- 4.6 The licensee shall provide and maintain a working telephone and facsimile machine at the facility.
- 4.7 Waste handling plant
- 4.7.1 Within twelve months of the date of grant of this licence, items of plant deemed critical to the efficient and adequate processing of waste at the facility (including *inter alia* waste loading vehicles and sorting lines etc.) shall be provided on the following basis:
- 100% duty capacity;

- 50% standby capacity;
 - provision of contingency arrangements and/or back up and spares in the case of breakdown of critical equipment.
- 4.7.2 Within three months of the date of grant of this licence, the licensee shall provide a report for the agreement of the Agency detailing the capacity in tonnes per day of all waste handling and processing equipment to be used at the facility. These capacities shall be based on the licensed waste intake, as per *Schedule G: Waste Categories and Quantities* of this licence.
- 4.7.3 The quantity of waste to be accepted at the facility on a daily basis shall not exceed the duty capacity of all waste handling and processing equipment at the facility. Any exceedance of the duty capacity available at the facility shall be treated as an incident.
- 4.7.4 The updated schedule of duty and standby plant shall be agreed with the Agency and reported in the Annual Environmental Report.
- 4.8 Ventilation and abatement plant
- 4.8.1 Within twenty-four months of the date of grant of this licence the licensee shall install an odour management and abatement system. This system shall incorporate the following:
- (i) adequate odour and dust abatement;
 - (ii) installation and maintenance of negative pressure throughout the waste transfer building to ensure no significant escape of odours or dust;
 - (iii) ventilation and abatement plant shall be provided on a 100% duty capacity and 50% stand by capacity basis along with back ups and spares.
- 4.9 Waste Quarantine
- 4.9.1 A Waste Quarantine Area shall be provided and maintained at the facility.
- 4.9.2 The licensee shall ensure that this area shall be constructed and maintained in a manner suitable and be of a size appropriate for quarantine of waste, if required.
- 4.10 The licensee shall provide and maintain a weighbridge at the facility.
- 4.11 The licensee shall provide and maintain receptacles for the operation of a Civic Waste Facility in the South Eastern yard within six months of the date of grant of this licence. All receptacles shall be clearly labelled to indicate their contents. The civic waste facility shall be surfaced and concreted to BS 8110, and all surface water shall drain to the interceptor, as soon as the interceptor is installed. Appropriate signage and traffic control shall be maintained to control access to the Civic Waste Facility.
- 4.12 Storage
- 4.12.1 All tank, drum and fuel storage areas shall be rendered impervious to the materials stored therein. In addition, tank, drum and fuel storage areas shall, as a minimum be bunded, either locally or remotely, to a volume not less than the greater of the following:
- a) 110% of the capacity of the largest tank or drum within the bunded area; or
 - b) 25% of the total volume of substance which could be stored within the bunded area.

- 4.12.2 All drainage from bunded areas shall be diverted for collection and safe disposal.
- 4.12.3 All inlets, outlets, vent pipes, valves and gauges must be within the bunded area.
- 4.12.4 The integrity and water tightness of all the bunds, tanks and containers and their resistance to penetration by water or other materials stored therein shall be tested and demonstrated by the licensee and shall be reported to the Agency following its installation and prior to its 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.
- 4.13 Within twelve months of the date of grant of this licence the licensee shall carry out the following improvements to the foul/surface water handling system at the facility;
- Separation of foul and storm water drainage systems.
 - Provision of separate sampling facilities for both foul water discharges (designated SE-1) and storm water discharges (designated SE-2).
 - Provision of a shut off valve for both foul and storm water discharges. All shut-off valves shall be clearly labelled and their use incorporated into the Emergency Response Procedure as required under Condition 10.
 - Foul and surface water shall discharge to an adequately sized silt trap and Class I full treatment oil/water separator (as per prEN 858).
 - Adequate biological treatment of foul discharges shall be provided.
- 4.14 The Emission Limit Values in Schedule F2 Surface Water Emissions, and F3 Foul Water Emissions shall apply to these emissions twelve months from the date of grant of this licence.
- 4.15 The drainage system, bunds and oil separators shall be inspected weekly, desludged as necessary and properly maintained at all times. All sludge and drainage from these operations shall be collected for safe disposal. A written record shall be kept of the inspections, desludging, cleaning, disposal of associated waste products, maintenance and performance of the interceptors, bunds and drains.
- 4.16 A wheel wash shall be installed and used at the facility twelve months from the date of grant of this licence.
- 4.17 The licensee shall provide and use adequate lighting during the operation of the facility in hours of darkness.
- 4.18 Specified Engineering Works
- 4.18.1 The licensee shall submit written proposals for all Specified Engineering Works, as defined in *Schedule D: Specified Engineering Works* of this licence, to the Agency for its agreement at least four weeks prior to the intended date of commencement of any such works. No such works shall be carried out without the prior agreement of the Agency.
- 4.18.2 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.
- 4.18.3 Following the completion of all specified engineering works, the licensee shall complete a construction quality assurance validation. The validation report shall be made available to the Agency on request. The report shall include the following information;

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

4.19 Landscape

- 4.19.1 Within twelve months of the date of grant of this licence, the licensee shall plant a suitable hedge/tree mix along the north and east perimeter of the facility.

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

CONDITION 5 WASTE ACCEPTANCE AND HANDLING

- 5.1. All waste processing shall be carried out inside the waste transfer building.
- 5.2. Waste Acceptance Procedures
 - 5.2.1. Each load of waste arriving at the transfer station shall be visually inspected prior to unloading in accordance with "Level 3: On-site Verification" outlined in the Agency's Draft Manual on Waste Acceptance. Any wastes deemed to be in contravention of this licence and/or unsuitable for recovery or disposal at this facility shall be removed for recovery or disposal at an appropriate alternative facility.
 - 5.2.2. All suspect materials identified by the visual inspection of the waste shall be diverted to the Waste Quarantine Area, or other designated area as agreed in advance by the Agency, for further examination and classification. Materials other than those permitted by this licence shall be submitted to an alternative appropriate facility.
 - 5.2.3. The licensee shall provide and maintain written procedures for the acceptance, storage, recovery and disposal of vegetable oils and fats, batteries and road sweepings/gully emptyings within three months of the date of grant of this licence.
- 5.3. All containers accepted at the facility shall be whole and sound. Any leaking or otherwise ruptured containers shall immediately be overdrummed or the contents transferred to a sound container in a manner which will not adversely affect the environment. Any spillages should be cleaned up so as not to adversely affect the environment or the performance of the oil interceptor.
- 5.4. All waste vegetable oil and fat containers shall be held in a suitably bunded area prior to disposal or recovery
- 5.5. Waste Recovery

The licensee shall submit a proposal to the Agency detailing targets for the proportion of waste to be recovered from the following waste streams;

- Recovery of Construction & Demolition Waste;
- Recovery of organic materials (including paper and cardboard);
- Recovery of glass;
- Recovery of metals.

5.6. Storage Areas

5.6.1. The floor of the waste transfer building shall be washed down and cleared of all waste at the end of each working day.

5.6.2. Washdown of the floor shall be carried out using either a water spray or a self contained cleaning system. Washwater shall not be discharged to surface water, and prior to the installation of a treatment system as required under Condition 4.13, washwater shall be disposed of by an appropriate method and records shall be maintained.

5.6.3. Within six months of the date of grant of this licence, a solid ramp of at least 10 cm high shall be maintained on the floor of the waste transfer station at all entry/exit points to the Waste handling area in order to contain minor spills and washwater.

5.7. Upon installation the following conditions shall apply to the Civic Waste Facility;

- (i) The Civic Waste Facility shall only be used by private vehicles. The facility shall not be used as a transfer station for disposal of waste by commercial waste disposal contractors or local authority waste collection vehicles.
- (ii) All tipping of waste will be into a receptacle for recovery or disposal, or in the case where inspection is required, into a designated inspection area.
- (iii) At the end of the working day the grounds of the Civic Waste Facility area shall be cleared of all waste.

5.8. Waste sent off-site for recovery or disposal shall only be conveyed to a waste contractor as agreed by the Agency. The ultimate recovery or disposal facility for all wastes shall be agreed in advance with the Agency. All wastes removed off-site for recovery or disposal shall be transported from the facility to the consignee in a manner which will not adversely affect the environment.

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 held overnight, shall be stored in suitably covered and enclosed containers within the Waste Transfer Building, and shall be removed from the facility within 48 hours, with the exception of waste accepted on the working day prior to a Bank Holiday which shall be removed during the next working day.

6.2. Dry waste for recovery to be held overnight (including metal, baled paper and inert materials) shall be stored in suitably covered containers.

- 6.3. The licensee shall, at a minimum of one week intervals, inspect the facility and its immediate surrounds for nuisances caused by vermin, birds, flies, mud, dust and odours. Written records shall be made of all inspections and any actions taken as a result of these inspections.
- 6.4. Within six months of the date of grant of this licence the licensee shall install and maintain vermin, fly and bird control measures which shall consist of at least the following:
- Rodent bait boxes
 - Fly control units
 - Appropriate bird control, if necessary.
- 6.5. The road network in the vicinity of the facility shall be kept free from any debris caused by vehicles entering or leaving the facility. Any such debris or deposited materials shall be removed without delay.
- 6.6. All loose litter accumulated within the facility and its environs shall be removed and appropriately disposed of on a daily basis.
- 6.7. Any waste placed on or in the vicinity of the facility, other than in accordance with the requirements of this licence, shall be removed by the licensee immediately and in any event by 10.00 a.m. of the next working day, after such waste is discovered. Such waste shall be disposed of at an appropriate facility.
- 6.8. The licensee shall ensure that all vehicles delivering waste to and removing waste and materials from the facility are appropriately covered, fully enclosed and adequately secured to prevent spillage.
- 6.9. Dust Control
- 6.9.1. In dry weather, facility roads and any other areas used by vehicles shall be sprayed with water as and when required to minimise airborne dust nuisance.
- 6.10. The licensee shall ensure that vermin, birds, flies, mud, dust 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.

Reason: To provide for the control of nuisance.

CONDITION 7 EMISSIONS AND ENVIRONMENTAL IMPACTS

- 7.1. No specified emission from the facility shall exceed the emission limit values set out in *Schedule F: Emission Limit Values* 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 waste activities shall be carried out in a manner such that emissions do not result in significant impairment of, or significant interference with the environment beyond the facility boundary.
- 7.4. Emissions to Surface Water

- 7.4.1. Emissions to surface water from the facility shall only be made at the location designated by emission point SW-1 as shown in Fig 2.6.2 of the EIS, subject to any change agreed under Condition 4.13.
- 7.4.2. There shall be no visible oil in the discharge.
- 7.5. There shall be no direct emissions to groundwater.

- 7.6. Noise emissions
 - 7.6.1. There shall be no clearly audible tonal component or impulsive component in the noise emissions from the activity at the noise sensitive locations.
 - 7.6.2. Noise from the activity shall not give rise to sound pressure levels (Leq, 30min) measured at the specified noise sensitive locations which exceed the emission limit value(s) as stipulated in *Schedule F: Emission Limit Values* of this licence by more than 2 dB(A).
- 7.7. Emission limit values for emissions to surface water in this licence shall be interpreted in the following way:-
 - 7.7.1. Non-Continuous monitoring
 - 7.7.1.1. No flow value shall exceed the specified limit.
 - 7.7.1.2. Eight out of ten consecutive results shall not exceed 1.2 times the emission limit value.
 - 7.7.1.3. 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 8 RESTORATION AND AFTERCARE

- 8.1. 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 the licence. The licensee shall update these schemes when required by the Agency and submit amendments to the Agency for its agreement.

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

CONDITION 9 ENVIRONMENTAL MONITORING

- 9.1. The licensee shall carry out such monitoring and at such locations and frequencies as set out in *Schedule E: Monitoring* of this licence and as specified in the Conditions of this licence.
- 9.2. Surface and Foul Water Monitoring

- 9.2.1. As agreed under Condition 4.13, the Licensee shall provide and maintain a separate monitoring chamber for the representative sampling of the final surface water and foul water discharge from the facility. These waters shall ultimately discharge through SW1, or as agreed under Condition 4.13.
- 9.3. Dust Monitoring
- 9.3.1. The first such monitoring shall be undertaken within three months of the date of grant of this licence.
- 9.4. Noise Monitoring
- 9.4.1. Noise monitoring shall be carried out during operational hours. The first such monitoring event shall be undertaken within three months of the date of grant of this licence.
- 9.5. The licensee shall provide safe and permanent access to all on-site sampling and monitoring points and off-site points as required by the Agency. All ditches and drains located around the perimeter of the facility are to be kept clear such that monitoring can be carried out successfully.
- 9.6. The licensee shall maintain all sampling and monitoring points, and where appropriate clearly label and name sampling and monitoring locations, so that they may be used for representative sampling and monitoring.
- 9.7. Monitoring and analysis equipment shall be operated and maintained in accordance with the manufacturer's instructions (if any) so that all monitoring results accurately reflect any emission or discharge or environmental parameter.
- 9.8. 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.
- 9.9. 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.
- 9.10. 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.
- 9.11. Unless otherwise specified by this licence or agreed by the Agency, all environmental monitoring shall commence no later than two months after the commencement of waste activities at this facility.

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

CONDITION 10 CONTINGENCY ARRANGEMENTS

- 10.1. The licensee shall, within six months of the date of grant of this licence, submit a written Emergency Response Procedure (ERP) to the Agency for its agreement. The ERP

shall address any emergency situations which may originate on the facility and shall include provision for minimising the effects of any emergency on the environment.

- 10.2. The licensee shall have in storage an adequate supply of containment booms and/or suitable absorbent material to contain and absorb any spillage at the facility. Once used the absorbent material shall be disposed of at an appropriate facility.
- 10.3. All significant spillages occurring at the facility shall be treated as an emergency and immediately cleaned up and dealt with so as to alleviate their effects.
- 10.4. No waste shall be burned within the boundaries of the facility. A fire at the facility shall be treated as an emergency. Immediate action shall be taken to extinguish it and the appropriate authorities notified.
- 10.5. The licensee shall carry out a risk assessment to determine the requirements at the facility for fire fighting and fire water retention facilities and shall, within twelve months from the date of grant of this licence submit a report, including recommendations on the risk assessment to the Agency for its agreement. The Chief Fire Officer of Sligo County Council shall be consulted by the licensee during this assessment.
- 10.6. In the event of a complete breakdown of equipment or any other occurrence which results in the closure of the transfer station building, any putrescible waste arriving at or already collected at the facility shall be transferred directly to appropriate landfill sites or any other appropriate facility until such time as the transfer station building is returned to a fully operational status. Such a breakdown event will be treated as an emergency and rectified as soon as possible.
- 10.7. Unless otherwise notified in writing by the Agency in the event that any monitoring, sampling or observations indicate that an incident has, or may have, taken place, the licensee shall immediately:
 - a) identify the date, time and place of the incident;
 - b) carry out an immediate investigation to identify the nature, source and cause of the incident and any emission;
 - c) isolate the source of the emission;
 - d) evaluate the environmental pollution, if any, caused by the incident;
 - e) identify and execute measures to minimise the emissions/malfunction and the effects thereof;
 - f) provide a proposal to the Agency for its agreement within one month to:
 - (i) identify and put in place measures to avoid recurrence 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 £6,908 (€8,772) 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 2002 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 2001, the licensee shall pay a pro rata amount from the date of this licence to 31st December 2001. This amount shall be paid to the Agency within one month of the date of grant of this licence.

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

11.2 Financial Provision for Closure, Restoration and Aftercare

- 11.2.1 The licensee shall arrange for the completion of a comprehensive and fully costed Environmental Liabilities Risk Assessment for the facility which will address liabilities arising from the carrying on of the waste activities to which this licence relates. A report on this assessment shall be submitted to the Agency for its agreement within six months of the 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 waste activities to which this licence relates. Such provision shall be maintained by the licensee unless otherwise agreed by the Agency.

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

- 11.2.4 The licensee shall within two weeks of purchase, renewal or revision of the financial provision required under Condition 11.2.2, forward to the Agency written proof of such indemnity.

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

SCHEDULE A : Content of the Environmental Management Programme

Environmental Management Programme

Details of Operator

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

Operational Matters

These should include:

- facility opening and operating times
- access control
- waste acceptance procedures
- procedures for dealing with unacceptable wastes
- equipment to be utilised
- facility 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

Schedule of Environmental Objectives and Targets for the forthcoming year to improve the environmental performance of the facility shall be detailed.

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

Designation of Responsibility for Achieving Targets and Objectives

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

Other items specified by the Agency

SCHEDULE B : Content of the Annual Environmental Report

Annual Environmental Report Content
Reporting Period.
Waste activities carried out at the facility.
Quantity and types of waste received, disposed of and recovered during the reporting period and each previous year.
Projected quantities and types of waste to be received, disposed of, and recovered during the following year.
Development/infrastructural works in place and planned, to process waste quantities projected for the following year (including plant operating capacity, provision of adequate standby capacity and provision of contingency, backup and spares in the case of breakdown).
Reported Incidents and Complaints summaries.
Review of nuisance and emission controls, and their effectiveness for projected waste quantities to be processed in the following year.
Summary report on emissions (Certified results/data sheets to be attached as Appendices).
Summary of results and interpretations of environmental monitoring, including a location plan of all monitoring locations.
Resource and energy consumption summary.
Tank, drum, pipeline and bund testing and inspection report.
Reports on financial provision made under this licence, management/staffing structure of the facility & a programme for public information.
Any other items specified by the Agency.

SCHEDULE C : Recording & Reporting to the Agency

Recurring Reports

Report	Reporting Frequency ^{Note1}	Report Submission Date
Environmental Management System	Annually	Eighteen months from the date of grant of licence and updates annually thereafter as part of the AER.
Annual Environment Report (AER)	Annually	Thirteen months from the date of grant of licence and one month after the end of each year thereafter.
Record of incidents	As they occur	Within five days of the incident.
Specified Engineering Works reports	As they arise	Two weeks prior to the works commencing.
Bund, tank and container integrity assessment	Every three years	Six months from the date of grant of licence and one month after end of the three year period being reported on.
Monitoring of emissions to ground water	Annually	One month after the completion of the monitoring.
Landfill Gas Monitoring	Annually	One month after the completion of the monitoring.
Noise Monitoring	Annually	One month after the completion of the monitoring.
Monitoring of emissions to surface water	Quarterly	Ten days after end of the quarter being reported on.
Dust deposition monitoring	Three times a year	One month after the completion of the monitoring.
Any other monitoring	As they occur	Within ten days of obtaining results.

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

SCHEDULE D : Specified Engineering Works

Specified Engineering Works
Installation of floor washing and wash water treatment systems
Installation of an odour management and abatement system
Installation of a Civic Waste Facility
Installation of surface water and groundwater control and/or monitoring systems
Installation of waste handling, processing, recycling, or recovery infrastructure (including tromells, shredders, compactors, etc)
Any other works notified by the Agency

SCHEDULE E : Monitoring

E.1 Monitoring Locations

Dust Monitoring Locations (as per Fig 2.2.1 EIS)
D1, D2, D3 and D4
Noise Monitoring Locations (as per Figures 2.3.1 and 2.3.2 EIS)
N1, N2, N5, and N6.
Ground Water Monitoring Locations (as per Fig C.6.1 EIS)
MW1 and MW2
Landfill Gas Monitoring Locations (as per Fig C.6.1 EIS)
MW1, MW2 and facility office.
Surface and foul Water Monitoring Locations (as per Fig 2.6.2 EIS)
SW1 to be replaced by SE-1 & SE-2 as agreed under Condition 4.13.

E.2: Dust

Dust Monitoring Frequency and Technique

Parameter	Monitoring Frequency	Analysis Method/Technique
Dust deposition (mg/m ² /day)	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, or as otherwise specified in writing by the Agency.

Note 3: All analyses shall be carried out by a competent laboratory using standard and internationally acceptable techniques. The testing laboratory and the testing technique shall be agreed with the Agency in advance.

E.3: Noise

Noise Monitoring Frequency and Technique

Parameter	Monitoring Frequency	Analysis Method/Technique
L(A)_{Eq} [30 minutes] ^{Note 1}	Annual ^{Note 2}	Standard ^{Note 3}
L(A)₁₀ [30 minutes] ^{Note 1}	Annual ^{Note 2}	Standard ^{Note 3}
L(A)₉₀ [30 minutes] ^{Note 1}	Annual ^{Note 2}	Standard ^{Note 3}
Frequency Analysis(1/3 Octave band analysis) ^{Note 1}	Annual ^{Note 2}	Standard ^{Note 3}

Note 1: Monitoring shall include a traffic count at the entrance to the facility, and note general traffic movements in the area during the monitoring period.

Note 2: The first such monitoring event shall be undertaken within three months of the commencement of waste activities at this facility.

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

E.4: Surface and Foul Water

Surface and Foul Water Monitoring Parameters, Techniques and Frequencies

Parameter	Monitoring Frequency	Analysis Method/Technique
Flow	Quarterly ^{Note 2}	Standard method ^{Note 1}
Visual Inspection (Odour/oil presence)	Weekly	Not applicable
Ammoniacal Nitrogen	Quarterly	ISE / Colorimetry
BOD	Quarterly	Electrometry / Titrimetry with nitrification inhibitor
COD	Quarterly	Digestion + Colorimetry/Titrimetry
Chloride	Quarterly	Colorimetry / Ion Chromatography
Detergents (as MBAS)	Quarterly	Standard methods ^{Note 1}
Mineral Oils	Quarterly	Standard methods ^{Note 1}
Oils, Fats and Greases	Quarterly	Standard methods ^{Note 1}
pH	Quarterly	Electrometry
Total Suspended Solids	Quarterly	Gravimetry
Coliforms (total, faecal)	Annually	Membrane filtration/MPN using referenced procedures

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

Note 2: Flow monitoring only required for foul water emissions.

E.5: Ground Water

Ground Water Monitoring Parameters, Techniques and Frequencies

Parameter	Monitoring Frequency	Analysis Method/Technique
pH	Annually	ISE / Colorimetry
BOD	Annually	Electrometry / Titrimetry with nitrification inhibitor
Ammoniacal Nitrogen	Annually	Colorimetry / Ion Chromatography
Mineral Oils	Annually	Standard methods ^{Note 1}
Chloride	Annually	Electrometry
Coliforms (total, faecal)	Annually	Membrane filtration/MPN using referenced procedures

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.

E.6 Landfill Gas

Landfill Gas Monitoring Frequency and Technique

Parameter	Monitoring Frequency	Analysis Method ^{Note1} /Technique ^{Note2}
Methane (CH ₄) % v/v	Annually	Infrared analyser/flame ionisation detector
Carbon dioxide (CO ₂)%v/v	Annually	Infrared analyser/ flame ionisation detector
Oxygen(O ₂) %v/v	Annually	Electrochemical cell
Atmospheric Pressure	Annually	Standard
Temperature	Annually	Standard

Note 1: All monitoring equipment used should be intrinsically safe.

Note 2: Or other methods agreed in advance with the Agency.

SCHEDULE F : Emission Limit Values

Emission Limit Values (Measured at the monitoring points indicated in Schedule E1)

F.1 Dust Deposition Limits:

Level (mg/m ² /day) ^{Note 1}
350

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

F.2 Foul Water Emissions

These limits shall apply to emissions of foul water to the Garavogue estuary from the facility at emission point SE-1, following completion of works required under Condition 4.13.

Parameter	Emission Limit Value (mg/l)
Volume	10 m ³ /day
Ammonia	5
Biological Oxygen Demand	20
Suspended Solids	30
Fats, Oils, Grease	10
pH	6 - 9

F.3 Surface Water Emissions

These limits shall apply to emissions of surface water to the Garavogue estuary from the facility at emission point SE-2, following completion of works required under Condition 4.13.

Parameter	Emission Limit Value (mg/l)
Biological Oxygen Demand	20
Suspended Solids	30
Fats, Oils, Grease	10
pH	6 - 9

F.4 Noise Emissions:

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

SCHEDULE G : Waste Categories and Quantities

WASTE TYPE	MAXIMUM TONNES PER ANNUM
Household waste	41,400
Commercial	4,600
Construction & Demolition	9,000
Industrial Non-Hazardous	45,000
TOTAL	100,000

Sealed by the seal of the Agency on this 5th day of July, 2001.

PRESENT when the seal of the Agency
was affixed hereto:

Iain Maclean/Authorised Person

