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County Wexford, Ireland

WASTE LICENCE PROPOSED DECISION

Waste Licence

Register Number: 45-1

Applicant: Dean Waste Company Ltd

Location of Facility: Greenhills Rd, Walkinstown, Dublin 12

Table of Contents

	Page No.
REASONS FOR THE DECISION	1
<i>PART I: ACTIVITIES LICENSED</i>	1
INTERPRETATION	2
<i>PART II: CONDITIONS</i>	5
CONDITION 1 SCOPE	5
CONDITION 2 MANAGEMENT OF THE ACTIVITY	6
CONDITION 3 NOTIFICATION AND RECORD KEEPING	8
CONDITION 4 SITE INFRASTRUCTURE	10
CONDITION 5 WASTE ACCEPTANCE AND HANDLING	13
CONDITION 6 ENVIRONMENTAL NUISANCES	16
CONDITION 7 EMISSIONS AND ENVIRONMENTAL IMPACTS	16
CONDITION 8 RESTORATION AND AFTERCARE	18
CONDITION 9 ENVIRONMENTAL MONITORING	19
CONDITION 10 CONTINGENCY ARRANGEMENTS	19
CONDITION 11 CHARGES AND FINANCIAL PROVISIONS	20
SCHEDULE A : Content of the Environmental Management Programme	22
SCHEDULE B : Content of the Annual Environmental Report	23
SCHEDULE C : Recording and Reporting to the Agency	24
SCHEDULE D : Specified Engineering Works	25
SCHEDULE E : Monitoring	25
SCHEDULE F : Emission Limits	28
SCHEDULE G : Waste Acceptance	29

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, the submission received and the report of its inspector.

Part I: Activities Licensed

In pursuance of the powers conferred on it by the Waste Management Act, 1996, the Environmental Protection Agency (the Agency) proposes, under Section 40(1) of the said Act to grant this Waste Licence to Dean Waste Company Limited, to carry on the waste activities listed below at Greenview, Greenhills Rd, Walkinstown, Dublin 12 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 the bulking up of non-hazardous commercial, construction /demolition and industrial wastes prior to their recycling or disposal to landfill.

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 the temporary storage of non-hazardous commercial, construction / demolition and industrial waste at the facility for disposal off-site.

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

Class 2: Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes).

This activity is limited to the recycling of cardboard and plastic wastes at the facility.

Class 3: Recycling or reclamation of metals and metal compounds.

This activity is limited to the receipt, collection and holding of metal wastes to be sent off site for reprocessing and/or recycling.

Class 4: Recycling or reclamation of other inorganic materials.

This activity is limited to the receipt, holding of inert construction and demolition wastes to be sent off site for use as an inert fill for land restoration or other use to be agreed in advance with the Agency.

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 non-hazardous commercial, construction / demolition and industrial waste received at the facility, prior to recovery at an alternative appropriate facility.

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.
Bi-annually	All or part of a period of six consecutive months.
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.
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 8.00 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 Schedule F.
Environmental Pollution	As defined in Section 5 (1) of the Act.
Facility	That area or areas defined under Condition 1.2
Green waste	Waste wood, plant matter and other vegetation.
Hazardous Waste	As defined in Section 4 (2) 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.
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	Dean Waste Company Limited.
Liquid Waste	Any waste in liquid form and containing less than 2% dry matter
Local Authority	South Dublin County Council
Maintain	Keep in a fit state, including such regular inspection, servicing and repair as may be necessary to adequately perform its function.
Monthly	At least 12 times per year, at approximately monthly intervals.
Night-time	8.00 p.m. to 8.00 a.m.
Non-hazardous waste	Non-Hazardous Waste is any waste which is not a hazardous waste as defined in the Act.
Oil Separator	Device installed according to the draft European Standard prEN 858 (Installations for the separation of light liquids, eg. 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
Sanitary Authority	South Dublin County Council
Specified	Those engineering works listed in Schedule D: Specified Engineering

Engineering Works	Works of this licence.
Submit	Unless the context of this licence indicates otherwise, submit to the Agency in writing for agreement
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.
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.
Working Day	0000 to 24 hours

Part II: CONDITIONS

CONDITION 1 SCOPE

- 1.1. Waste activities at the facility shall be restricted to those listed and described in Part 1: Activities Licensed and required by this licence.
- 1.2. Waste activities shall be restricted to the area of land outlined in red on Drawing No. 9763.S.01A Revision A Site Plan in the volume entitled "Response to Article 16(1) Notice (November 1999)" Any reference in this licence to "facility" shall mean the area thus outlined in red.
- 1.3. Every plan, programme or proposal submitted to the Agency for agreement pursuant to any condition of this licence shall include a proposed timescale for its implementation. The Agency may modify or alter any such plan, programme or proposal in so far as it considers such modification or alteration to be necessary. Every plan, programme or proposal shall be carried out within the timescale fixed by the Agency but shall not be undertaken without the agreement of the Agency.
- 1.4. This licence is for the purposes of waste licensing under the Waste Management Act 1996 only and nothing in this licence shall be construed as negating the licensee's statutory obligations or requirements under any other enactments or regulations.
- 1.5. Where the Agency considers that a non-compliance with the Conditions of this licence has occurred, it may serve a notice on the licensee specifying:
 - a) that only those wastes as specified, if any, in the notice are to be accepted at the facility after the date set down in the notice;
 - b) that the licensee shall undertake the works stipulated in the notice, and/or otherwise comply with the requirements of the notice as set down therein, within the time-scale contained in the notice; and,
 - c) that the licensee shall carry out any other requirement specified in the notice.

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

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

CONDITION 2 MANAGEMENT OF THE ACTIVITY

2.1 Environmental Management System

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

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

2.2 Schedule of Environmental Objectives and Targets

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

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

2.3 Environmental Management Programme

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

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

2.4 Corrective Action

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

2.5 Awareness and Training

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

2.6 Management Structure

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

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

2.7 Communications

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

2.8 Annual Environmental Report

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

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

2.9 The licensee shall employ a suitably qualified and experienced facility manager who

2.10 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.

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

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

CONDITION 3 NOTIFICATION AND RECORD KEEPING

- 3.1 The licensee shall make written records of the following incidents:
- a) any nuisance caused by the activity;
 - b) any emission which does not comply with the requirements of this licence;
 - c) any trigger level specified in this licence which is attained or exceeded;
 - d) any indication that environmental pollution has, or may have, taken place;
 - e) any emergency; and
 - f) The written record shall include all aspects described in section (a) to (e) of Condition 10.6
- 3.2 Unless otherwise instructed in writing by the Agency, the licensee shall:
- a) notify the Agency as soon as practicable and in any case not later than 10.00 a.m. the following working day after the occurrence of any incident;
 - b) submit the written record required by this condition to the Agency as soon as practicable and in any case within five working days after the occurrence of any incident; and
 - c) in the event of any incident which relates to discharges to surface water, notify the Eastern Regional Fisheries Board as soon as practicable and in any case not later than 10.00 a.m. on the following working day after such an incident.
 - d) notify the Local Authority and the Agency as soon as is practicable after the occurrence of any one of the following:
 - i) any incident with the potential for environmental contamination of surface water or groundwater, or posing a threat to land, or a Sanitary Authority sewer or personnel working in connection with a sewer, or requiring an emergency response by the Local Authority
 - ii) any emission which relates to a discharge to sewer which does not comply with the requirements of this licence.
- 3.3 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.
- 3.4 Unless otherwise agreed by the Agency, all documentation submitted to the Agency shall:
- (a) be sent to the Agency's headquarters;
 - (b) comprise one original and three copies;
 - (c) be formatted in accordance with any written instruction or guidance issued by the Agency;
 - (d) include whatever information as is specified in writing by the Agency;

- (e) be identified by a unique code, indicate any modification or amendment, and be correctly dated to reflect any such modification or amendment;
 - (f) be submitted in accordance to the relevant reporting frequencies specified by this licence; and
 - (g) in the case of results of any environmental monitoring, be accompanied by a written interpretation setting out their significance.
- 3.5 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.
- 3.6 All documentation and records required to be made under this licence, shall be retained by the licensee, unless otherwise agreed with the Agency.
- 3.7 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.
- 3.8 The licensee shall keep the following documents at the facility office referred to in Condition 4.5.
- a) the current waste licence relating to the facility;
 - b) the current EMS for the facility;
 - c) the previous year's AER for the facility;
 - d) all written procedures produced by the licensee which relate to the licensed activities.
- 3.9 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 (where applicable) from the facility. The licensee shall record the following:
- a) the date of arrival or dispatch;
 - b) the name of the carrier;
 - 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;
 - f) the quantity of the waste accepted at 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;
 - i) the quantity of waste leaving the facility, recorded in tonnes;
 - j) the destination of the load; and
 - k) any other information which might be required from time to time subject to prior agreement with the Agency.
- 3.10 The licensee shall assign and clearly label a unique reference code to each container at the site. In addition, the following shall be recorded:
- a) the date and the start time at which filling the container with compacted waste commenced;
 - b) the time at which the container was sealed;

- c) the time at which the container was removed from the facility; and
 - d) the total number of containers being stored overnight on a daily basis.
- 3.11 The licensee shall maintain a written record of all complaints relating to the operation of the activity. Each such record shall give details of the following:
- a) date and time of the complaint;
 - b) the name of the complainant;
 - c) details of the nature of the complaint;
 - d) actions taken on foot of the complaint and the results of such actions; and,
 - e) the response made to each complainant.

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

CONDITION 4 SITE INFRASTRUCTURE

- 4.1 The licensee shall establish all infrastructure referred to in this licence or as instructed by the Agency.
- 4.2 Site Notice Board
- 4.2.1 The licensee shall provide and maintain a Site Notice Board on the facility within three months of the grant of this licence, so that it is legible to persons outside the main entrance to the facility. The minimum dimensions of the identification board shall be 1200 mm by 750 mm.
- 4.2.2 The board shall clearly show:
- a) the name and telephone number of the facility;
 - b) the normal hours of opening;
 - c) the name, address and telephone number of the licence holder;
 - d) an emergency out of hours contact telephone number;
 - e) the name, address and telephone number of the operator of the facility;
 - f) the licence reference number;
 - g) where and when environmental monitoring information relating to the facility can be obtained.
- 4.3 Site Security
- 4.3.1 Security walls and gates shall be maintained as described in Attachment D.1.a of the application.
- 4.3.2 The licensee shall remedy any defect in the gates and/or fencing as follows:
- a) a temporary repair shall be made by the end of the working day; and,
 - b) a repair to the standard of the original gates and/or fencing shall be undertaken within three working days or as otherwise agreed with the Agency.

- 4.3.3 Gates shall be locked shut when the facility is unsupervised.
- 4.4 Hardstanding
- 4.4.1 The facility shall contain only hardstanding areas. Any new hardstanding areas at the facility shall be concrete slabs constructed to British Standard 8110 or other standard agreed in advance with the Agency.
- 4.5 Site Offices
- 4.5.1 The licensee shall maintain an office on the facility, at the location shown on Drawing No. 9763.S.01A Revision A Site Plan in the volume entitled "Response to Article 16(1) Notice of 07/07/00" The office shall be constructed and maintained in a manner suitable for the processing and storing of documentation.
- 4.5.2 The licensee shall provide and maintain a working telephone and facsimile machine in the offices specified in Condition 4.5.1.
- 4.6 Waste Inspection/ Waste Quarantine Area
- 4.6.1 Within six months of the date of grant of this licence, a Waste Inspection Area and a Waste Quarantine Area shall be provided and maintained at a location to be agreed with the Agency.
- 4.6.2 The licensee shall ensure that this area shall be constructed and maintained in a manner suitable and be of a size appropriate for the inspection of waste and subsequent quarantine if required. The waste inspection area and the waste quarantine area shall be suitably and clearly segregated from each other.
- 4.7 Weighbridge
- 4.7.1 The licensee shall maintain the weighbridge at the location shown Drawing No. 9763.S.01A Revision A Site Plan in the volume entitled "Response to Article 16(1) Notice (November 1999)" unless otherwise agreed with the Agency.
- 4.7.2 Within twelve months of the date of grant of this licence, the accuracy of the weighbridge shall be tested to the manufacturer's specifications and reported to the Agency as part of the Annual Environmental Report. A written record of such tests and any maintenance or remedial work arising from them shall be maintained by the licensee.
- 4.8 Fuel Storage
- 4.8.1 Within six months of the date of grant of this licence and unless otherwise agreed with the Agency, the licensee shall provide and maintain a bunded fuel storage area at the facility. The location of the fuel storage area shall be agreed in advance with the Agency. Fuels shall only be stored at the agreed location.
- 4.8.2 Prior to the construction of the above bunded fuel storage area, fuel shall be held in a temporary bunded storage area at a location to be agreed with the Agency.
- 4.8.3 Subject to Condition 4.8.1, all tank and drum storage areas shall be rendered impervious to the materials stored therein. In addition, tank and drum storage areas shall, as a minimum be bunded, either locally or remotely, to a volume not less than the greater of the following
- a) 110% of the capacity of the largest tank or drum within the bunded area; or
 - b) 25% of the total volume of substance which could be stored within the bunded area.

- 4.8.4 All drainage from bunded areas shall be diverted for collection and safe disposal.
- 4.8.5 All inlets, outlets, vent pipes, valves and gauges must be within the bunded area.
- 4.8.6 The integrity and water tightness of the the diesel fuel storage bunds and their resistance to penetration by water or other materials stored therein shall be tested and demonstrated by the licensee and shall be reported to the Agency following its installation and prior to its use as a fuel storage area. This testing shall be carried out by the licensee at least once every three years thereafter and reported to the Agency on each occasion. The licensee shall also submit to the Agency for its agreement in each case a written report on the storage of fuels on site. A written record of all integrity tests and any maintenance or remedial work arising from them shall be maintained by the licensee.
- 4.8.7 All tanks and containers shall be labelled to clearly indicate their contents.
- 4.8.8 All tanks and containers shall be secured against unauthorised access.
- 4.9 Drainage
 - 4.9.1 The licensee shall provide and maintain a holding tank (Sump A) for foul water. This holding tank shall be capable of maintaining 110% of the maximum volume of foul water likely to be generated at the facility in two weeks.
 - 4.9.2 The licensee shall submit, within three months of the date of grant of this licence, to the Agency for its agreement a drawing(s) detailing:
 - (a) the foul sewer network including the location of the holding tank; and
 - (b) drainage from hardstanding areas
 - 4.9.3 The holding tank shall be tested for integrity upon construction and at annual intervals thereafter. A report on the integrity and any maintenance or remedial work arising shall be submitted to the Agency upon construction and at yearly intervals thereafter. The holding tank shall be fitted with a high level alarm.
 - 4.9.4 The drainage system, sumps, 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, sumps, bunds and drains.
 - 4.9.5 All drainage in the waste transfer buildings, truckwash and hardstanding areas shall drain only to the sumps shown on Drawing No. 9763.S.01A Revision A Site Plan in the volume entitled "Response to Article 16(1) Notice (November 1999)". Sump A shall drain the foul sewer network referred to in Condition
 - 4.9.6 Vehicle cleaning facilities, including detergent storage, shall be maintained at the location shown on Drawing No. 9763.S.01A Revision A Site Plan in the volume entitled "Response to Article 16(1) Notice (November 1999)" unless otherwise agreed with the Agency.
 - 4.9.7 The integrity and water tightness of all underground pipes, sumps in the bunkers as shown on Drawing No. 9763.S.01A Revision A Site Plan in the volume entitled "Response to Article 16(1) Notice (November 1999)" and tanks and their resistance to penetration by water or other materials carried or stored therein shall be tested and demonstrated by the licensee and shall be reported to the Agency within twelve months of the date of grant of this licence. This testing shall be carried out by the licensee at least once every five years thereafter and

reported to the Agency on each occasion. A written record of all integrity tests and any maintenance or remedial work arising from them shall be maintained by the licensee.

- 4.10 The licensee shall provide and use adequate lighting during the operation of the facility in hours of darkness.
- 4.11 Specified Engineering Works
- 4.11.1 The licensee shall submit written proposals for all Specified Engineering Works, as defined in Schedule D: Specified Engineering Works, to the Agency for its agreement at least two months prior to the intended date of commencement of any such works. No such works shall be carried out without the prior agreement of the Agency.
- 4.11.2 All specified engineering works shall be supervised by a competent person(s) agreed in advance by the Agency and that person, or persons, shall be present at all times during which relevant works are being undertaken.
- 4.11.3 Following the completion of all specified engineering works, the licensee shall complete a construction quality assurance validation. The validation report shall be made available to the Agency on request. The report shall include the following information;
- a) a description of the works;
 - b) as-built drawings of the works;
 - c) records and results of all tests carried out (including failures);
 - d) where relevant a drawing and sections showing the location of all samples and tests carried out;
 - e) where relevant daily records sheets/diary;
 - f) name(s) of contractor(s)/individual(s) responsible for undertaking the engineering works;
 - g) name(s) of individual(s) responsible for supervision of works and for quality assurance validation of works;
 - h) records of any problems and the remedial works carried out; and
 - i) any other information requested in writing by the Agency.
- 4.12 The licensee shall within six months of grant of this licence carry out a hydrogeological investigation of the site. The scope and programme, including report structure and reporting schedule, must be agreed by the Agency prior to implementation. Recommendations arising from the report, as agreed with the Agency, must be implemented within six months of the date of agreement by the Agency.

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

CONDITION 5 WASTE ACCEPTANCE AND HANDLING

- 5.1. No hazardous or liquid wastes shall be accepted at the facility.
- 5.2. Subject to Condition 5.1, only those waste types and quantities listed in Schedule G: Waste Acceptance or listed in Table E.1.3 of the Article 16 Response dated 21st May 1999, shall be accepted at the facility unless the prior agreement of the Agency has been obtained.

- 5.3. Waste Acceptance Procedures
- 5.3.1. Within six months of the date of grant of this licence, the licensee shall submit to the Agency for its agreement detailed written procedures for the acceptance and handling of all wastes.
- 5.3.2. Each load of waste arriving at the transfer station shall be visually inspected prior to unloading in accordance with "Level 3: On-site Verification" outlined in the Agency's Draft Manual on Waste Acceptance. Any wastes deemed to be in contravention of this licence and/or unsuitable for acceptance at this facility shall be removed for disposal or recovery at an appropriate alternative facility.
- 5.3.3. Unacceptable Wastes.
- 5.3.3.1. Within six months of the date of grant of this licence, the licensee shall submit a written procedure for the management of unacceptable wastes received at the facility for the agreement of the Agency. This procedure will detail unacceptable waste types, handling procedures, waste quarantine procedures, record keeping and levels of staff responsibility.
- 5.3.3.2. 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.
- 5.4. A record of all incoming waste inspections shall be maintained. All wastes shall be checked to ensure that they comply with the requirements of the licence. Any wastes deemed to be in contravention of this licence and/or unsuitable for acceptance at this facility shall be removed for disposal at an appropriate alternative facility. Such waste shall be stored in the Waste Quarantine Area only.
- 5.5. Waste arriving at the facility shall be weighed, documented and directed to the Waste Transfer Building. The waste shall then be deposited on the floor of the Waste Transfer Building for visual inspection. Only following visual inspection and assessment shall the waste be processed.
- 5.6. All waste accepted into the Transfer Station for compaction shall be compacted within 12 hours unless otherwise agreed in advance with the Agency.
- 5.7. The compactor and shredder shall be maintained in accordance with the manufacturers instructions.
- 5.8. The quantity of wastes to be accepted at the facility shall not exceed 300,000 tonnes per annum unless otherwise agreed in advance with the Agency.
- 5.9. Hours of operation.
- 5.9.1. Waste may be accepted 24 hours a day, 7 days a week.
- 5.9.2. Waste which is received at night-time, following its acceptance, shall only be deposited on the floor of the Transfer Station. Unless agreed otherwise by the Agency, the transfer of waste from the floor of the Transfer Station (unless it is unacceptable waste) or any other waste handling or processing shall be restricted to daytime hours.
- 5.10. Waste Recovery:
- 5.10.1. The following shall be achieved by 31/12/2003, unless otherwise agreed with the Agency:

- (a) recycling of at least 50% of construction and demolition waste accepted at the facility; and
 - (b) recycling of at least 35% of the paper and timber waste accepted at the facility.
- 5.10.2. All waste metal loads accepted at the facility shall be segregated on-site for recovery off-site.
- 5.11. Storage/Designated Areas
- 5.11.1. No waste shall be stored overnight at the facility in other than designated and, where appropriate, secure storage areas. Within six months of the date of grant of this licence, the licensee shall submit a report and drawing illustrating the designated waste storage areas for agreement with the Agency.
 - 5.11.2. Putrescible waste shall only be stored in sealed containers within the Waste Transfer Building.
 - 5.11.3. Full or partially full trailers loaded with waste for disposal or recovery shall only be stored within the Transfer Station Building prior to dispatch.
 - 5.11.4. Unless subject to the prior agreement of the Agency, a maximum of four enclosed waste containers (including sealed containers of compacted waste or fully enclosed collection vehicles containing waste), shall be stored on the facility overnight. These containers shall be stored at areas clearly designated for this purpose.
- 5.12. Scavenging shall not be permitted at the facility.
- 5.13. No smoking shall be allowed on the facility other than in the office buildings shown on Drawing No. 9763.S.01A Revision A Site Plan in the volume entitled "Response to Article 16(1) Notice (November 1999)".
- 5.14. No waste shall be burned or otherwise combusted at the facility.
- 5.15. At the end of the working day the floor of the Transfer Station Building, the tipping pits, conveyors, the shredders and the compactors shall be cleaned of all waste.
- 5.16. Waste sent off-site for disposal or recovery shall only be conveyed to a waste contractor agreed in writing by the Agency. The ultimate disposal facility for all wastes shall be agreed in advance with the Agency. All wastes removed off-site for disposal or recovery shall be transported from the facility to the consignee in a manner which will not adversely affect the environment.
- 5.17. Within six months of the date of grant of this licence, the licensee shall submit to the Agency for its approval an Internal Traffic Management Plan which shall provide details of the management of traffic within the red-line boundary as specified in Condition 1.2 of this licence.

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

CONDITION 6 ENVIRONMENTAL NUISANCES

- 6.1. All compacted waste shall be removed from the facility within seventy-two hours of being compacted, unless subject to the prior agreement of the Agency.
- 6.2. The licensee shall, at a minimum of one week intervals, inspect the facility and its immediate surrounds for nuisances caused by vermin, birds, flies, mud, dust and odours. Written records shall be made of all inspections and any actions taken as a result of these inspections.
- 6.3. The road network in the vicinity of the facility shall be kept free from any debris caused by vehicles entering or leaving the facility. Any such debris or deposited materials shall be removed without delay.
- 6.4. All loose litter accumulated within the facility and its environs shall be removed and appropriately disposed of on a daily basis.
- 6.5. Any waste placed on or in the vicinity of the facility, other than in accordance with the requirements of this licence, shall be removed by the licensee immediately and in any event by 10.00 a.m. of the next working day, after such waste is discovered. Such waste shall be disposed of at an appropriate facility.
- 6.6. The licensee shall ensure that all vehicles delivering waste to and removing waste and materials from the facility are covered and clean and shall not give rise to offensive odours or other nuisance.
- 6.7. Dust Control
 - 6.7.1. In dry weather, site roads and any other areas used by vehicles shall be sprayed with water as and when required to minimise airborne dust nuisance.
 - 6.7.2. Water sprinklers shall be operated in the bunkers as and when required.
- 6.8. Within three months of the date of grant of this licence, a Vermin Control Plan shall be submitted to the Agency for its agreement.
- 6.9. The licensee shall ensure that vermin, birds, flies, mud, dust and odours do not give rise to nuisance at the facility or the immediate area of the facility. Any method used by the licensee to control any such nuisance shall not cause environmental pollution.

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

CONDITION 7 EMISSIONS AND ENVIRONMENTAL IMPACTS

- 7.1. No specified emission from the facility shall exceed the emission limit values set out in Schedule F: Emission Limits of this licence. There shall be no other emissions of environmental significance.
- 7.2. All treatment/abatement and emission control equipment shall be calibrated and maintained, in accordance with the instructions issued by the manufacturer/supplier or installer. Written records of the calibrations and maintenance shall be made and kept by the licensee.

- 7.3. The licensee shall ensure that the activities shall be carried out in a manner such that emissions do not result in significant impairment of, or significant interference with the environment beyond the facility boundary.
- 7.4. Dust
- 7.4.1. Within seven months of the date of grant of this licence, a Dust Monitoring and Control Plan shall be submitted to the Agency for its agreement. As a minimum, this Plan shall include the installation of sprinklers at the entrance to both waste transfer buildings as shown in Drawing No. 9763.S.01A Revision A Site Plan in the volume entitled "Response to Article 16(1) Notice (November 1999)".
- 7.5. Noise
- 7.5.1. Within three months of the date of grant of this licence, the licensee shall submit for the agreement of the Agency a Noise Minimisation Plan. This Plan shall include a proposal for muffling of the waste shredder and any other equipment as necessary.
- 7.6. Surface Water
- 7.6.1. There shall be no emissions to surface water.
- 7.7. Groundwater
- 7.7.1. There shall be no direct emissions to groundwater.
- 7.8. Emissions to Sewer:
- 7.8.1. The following conditions and the emission limit values as specified in Schedule F.1: Emissions to Sewer shall apply for discharges to sewer which shall only be made at the location specified in Schedule F.1. unless otherwise agreed in advance with the Agency and the Sanitary Authority.
- 7.8.2. No specified discharge or emission to sewer shall exceed the emission limit values set out in Schedule F.1 to this licence, entitled Emissions to Sewer – Limit Values. There shall be no other discharge or emission to sewer of environmental significance.
- 7.8.3. Monitoring and analytical equipment shall be operated and maintained as necessary so that monitoring accurately reflects the discharge or emission.
- 7.8.4. 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.
- 7.8.5. The licensee shall permit authorised persons of the Agency and the Sanitary Authority to inspect, examine and test, at all reasonable times, any works or apparatus installed in connection with the discharge or emission and to take samples of the discharge or emission.
- 7.8.6. No emission to sewer shall take place which gives rise to any reaction within the sewer or to the liberation of by-products which may be of environmental significance.
- 7.8.7. 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.

- 7.8.8. 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. The Agency shall be notified of such an event.
- 7.8.9. The licensee shall provide and maintain an inspection chamber in a suitable position in connection with each pipe through which the trade effluent is being discharged. Each such inspection chamber or manhole shall be constructed and maintained by the licensee so as to permit the taking of samples of the discharge.
- 7.8.10. The licensee shall submit monitoring results to the Sanitary Authority on an annual basis.
- 7.8.11. The trade effluent shall be screened prior to discharge to remove gross solids and avoid blockages in the sewer.
- 7.8.12. Materials, liquids and/or sludges classified as hazardous waste by the second schedule of the Waste Management Act 1996, may not be discharged to sewer.
- 7.8.13. The Licensee shall provide a means of measuring the volume of trade effluent discharged to the foul sewer.
- 7.8.14. A sampling point shall be constructed, by the licensee, at the point of discharge of the trade effluent from Sump A (designated Sample Point A). This sample point shall be constructed subject to the approval of the sanitary Authority. The sampling point shall be maintained by the Licensee.

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

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

CONDITION 9 ENVIRONMENTAL MONITORING

- 9.1. The licensee shall carry out such monitoring and at such locations and frequencies as set out in Schedule E: Monitoring and as specified in the Conditions of this licence.
- 9.2. Noise Monitoring
 - 9.2.1. Noise monitoring as specified in Schedule E.3 shall be carried out on a biannual basis during operational hours. The first such monitoring shall be undertaken within six months of the date of grant of this licence.
- 9.3. The licensee shall provide safe and permanent access to all on-site sampling and monitoring points as required by the Agency.
- 9.4. The licensee shall maintain all sampling and monitoring points, and clearly label and name (including national grid number) all sampling and monitoring locations, so that they may be used for representative sampling and monitoring.
- 9.5. Monitoring and analysis equipment shall be operated and maintained in accordance with the manufacturers instructions (if any) so that all monitoring results accurately reflect any emission or discharge or environmental parameter.
- 9.6. 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.
- 9.7. 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, unless otherwise agreed with the Agency.
- 9.8. 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.

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 burnt within the boundaries of the facility. A fire at the facility shall be treated as an emergency. Immediate action shall be taken to extinguish it and the appropriate authorities notified.
- 10.5. The licensee shall carry out a risk assessment to determine the requirements at the facility for fire fighting and fire water retention facilities and shall, within six months from the date of grant of this licence submit a report, including recommendations on the risk assessment to the Agency for its agreement. The Chief Fire Officer of South Dublin County Council shall be consulted by the licensee during this assessment.
- 10.6. Unless otherwise notified in writing by the Agency in the event that any monitoring, sampling or observations indicate that an incident has, or may have, taken place, the licensee shall immediately:
- a) identify the date, time and place of the incident;
 - b) carry out an immediate investigation to identify the nature, source and cause of the incident and any emission;
 - c) isolate the source of the emission;
 - d) evaluate the environmental pollution, if any, caused by the incident;
 - e) identify and execute measures to minimise the emissions/malfunction and the effects thereof;
 - f) provide a proposal to the Agency for its agreement within one month to:
 - (i) identify and put in place measures to avoid reoccurrence of the incident; and
 - (ii) identify and put in place any other appropriate remedial action.

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

CONDITION 11 CHARGES AND FINANCIAL PROVISIONS

11.1 Agency Charges

11.1.1 The licensee shall pay to the Agency an annual contribution of £9,121 or such sum as the Agency from time to time determines, towards the cost of monitoring the activity or otherwise in performing any functions in relation to the activity, as the Agency considers necessary for the performance of its functions under the Waste Management Act, 1996. The licensee shall in 2001 and subsequent years, not later than January 31 of each year, pay to the Agency this amount updated in accordance with changes in the Public Sector Average Earnings Index from the date of the licence to the renewal date. The updated amount shall be notified to the licensee by the Agency. For 2000, the licensee shall pay a pro rata amount from the date of this licence to 31st December 2000. This amount shall be paid to the Agency within one month of the date of grant of this licence.

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

11.2 Financial Provision for Closure, Restoration and Aftercare

11.2.1 The licensee shall arrange for the completion of a comprehensive and fully costed Environmental Liabilities Risk Assessment for the facility which will address liabilities arising from the carrying on of the activities to which this licence relates.

A report on this assessment shall be submitted to the Agency for its agreement within six months of date of grant of this licence.

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

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

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

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

SCHEDULE A :Content of the Environmental Management Programme

Environmental Management Programme

Details of Operator

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

Types of Waste Accepted

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

Quantity of Wastes Accepted

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

Engineering Details

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

- fencing, gates and other security
- site access roads and secondary site roads
- offices, fuel stores etc.
- site infrastructure etc.

Operational Matters

These should include:

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

Objectives and Targets

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

- emissions
- resource use
- recycling/recovery of waste

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

Designation of Responsibility for Achieving Targets and Objectives

Other items specified by the Agency

SCHEDULE B :Content of the Annual Environmental Report

Annual Environmental Report Content

Reporting Period.

Waste activities carried out at the facility.

Details of quantities of waste sent off-site for recovery and their destination.

Quantity and Composition of waste received, disposed of and recovered during the reporting period and each previous year and the total amount of waste being held at the facility at the time of the report.

Summary report on emissions

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

Resource and energy consumption summary.

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

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.

Destination of all wastes received at the facility (accepted and rejected).

Any other items specified by the Agency.

SCHEDULE C :Recording and Reporting to the Agency

Table C.1 Recurring Reports

Report	Reporting Frequency <small>Note1</small>	Report Submission Date
Environmental Management System Updates	Annually	Eighteen months from the date of grant of licence and one month after the end of the year reported on.
Annual Environment Report (AER)	Annually	Thirteen months from the date of grant of licence and one month after the end of each year thereafter.
Record of incidents	As they occur	Within five days of the incident.
Specified Engineering Works reports	As they arise	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.
Underground pipe and tank integrity assessment	5 yearly	Eighteen 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 sewer	Every three months	Ten days after end of the quarter being reported on.
Noise Monitoring	Bi-annually	Three months from date of grant of licence and one month after the completion of the monitoring thereafter.
Dust Monitoring	Quarterly	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
Extension of Waste Transfer Building and development of waste storage areas.
Additions to site security, walls etc.
Installation of vehicle wash area.
Installation of sumps and interceptors and other drainage controls.
Installation of bunded fuel storage areas.
Installation of increased waste processing capacity.
Dust control measures as agreed with the Agency under Condition 7.4 ^{Note 1}
Any relocation of key equipment such as the waste shredder. ^{Note 1}
Construction of permanent offices.
Any other works notified by the Agency.

Note 1: Not subject to Condition 4.11.3

SCHEDULE E : Monitoring

Monitoring to be carried out as specified below.

E.1: Monitoring of Emissions to Sewer

Monitoring of emissions to sewer shall be from the monitoring location as set out in Table E.1.1

Table E.1.1 Sewer Monitoring Location

STATION
Sampling Point A ^{Note 1} , SUMP A

Note 1: To be constructed

Table E.1.2 Sewer Monitoring Parameters and Frequencies

Parameter	Monitoring Frequency	Sampling Method/Type
Flow to sewer	Quarterly	To be agreed with the Agency
BOD	Quarterly	Grab
COD	Quarterly	Grab
Ammonical Nitrogen	Quarterly	Grab
Suspended Solids	Quarterly	Grab
Sulphates (as SO ₄)	Quarterly	Grab
Temperature	Quarterly	Grab
pH	Quarterly	Grab
Fats, Oil, Grease	Quarterly	Grab
Detergents (as MBAS)	Quarterly	Grab

E.2: Dust

Dust monitoring locations shall be those as set out in Table E.2.1.

Table E.2.1 Dust Monitoring Locations as shown on Figure J.1 “Environmental Monitoring” of the Article 14 Response dated August 1998.

STATION
D1
D2
D3
D4

Table E.2.2 Dust Monitoring Frequency and Technique

Parameter (mg/m ² /day)	Monitoring Frequency	Analysis Method/Technique
Dust	Quarterly	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) where 2- methoxy ethanol may be employed to eliminate interference due to algae growth in the gauge.

E.3: Noise

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

Table E.3.1 Noise Monitoring Locations as shown on Figure J.1 “Environmental Monitoring” of the Article 14 Response dated August 1998.

STATION
N1
N2
N3
N4
N5
N6
N7

Table E.3.2 Noise Monitoring Frequency and Technique

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

Note 1: Schedule C specifies that the first noise monitoring report must be submitted within 3 months of the date of grant of the licence.

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

SCHEDULE F :Emission Limits

F.1 Emissions to Sewer – Limit Values

Emission Point Reference Number: SUMP A

Emission to: Sanitary Authority Sewer on Greenhills Road

Volume to be emitted: Maximum 50 m³/day

Parameter	Emission	Limit	Value
	Grab Sample (mg/l)	Daily Mean Concentration (mg/l)	Daily Mean Loading (kg/day)
Biological Oxygen Demand	2500	2000	100
Chemical Oxygen Demand	7500	6000	300
Ammonical nitrogen	100	70	3.5
Suspended Solids	1,000	800	40
Sulphates (as SO ₄)	500	400	20.0
pH	6 - 10	-	-
Temperature	42°C	-	-
Detergents (as MBAS)	100	100	5.0
Fats, Oils, Grease	100	100	5.0

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

Level (mg/m ² /day) ^{Note 1,2}
350

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

Note 2: This limit to be met within twelve months of the date of grant of this licence.

F.3 Noise Limits: (Measured at the monitoring points indicated in Table E.3.1).

dB(A) (daytime)	dB(A) (nighttime) ^{Note 1}
55	45

Note 1: This limit to be met after six months of the date of grant of this licence.

SCHEDULE G : Waste Acceptance

G.1 Waste Acceptance

Table G.1 Waste Categories and Quantities

WASTE TYPE	MAXIMUM TONNES PER ANNUM
Commercial and Industrial non-hazardous	60,000
Construction and Demolition	240,000
TOTAL	300,000

Given by the Agency on the 11th day of August 2000.

Signed on behalf of the said Agency

on the 11th day of August 2000

_____ B. Sheehan **Authorised Person**