

LICENCE REG NO W0079-01 HAS BEEN TRANSFERRED
Please note that Licence Reg No W0079-01 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.

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

WASTE LICENCE

Waste Licence Register Number:	79-1
Licensee:	National Waste Management Ltd.
Location of Facility:	Unit 41, Cookstown Industrial Estate, Tallaght, Dublin 24.

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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, submission received from a third party and the report of its inspector.

No objection having been received to the proposed decision, the licence is granted in accordance with the terms of the proposed decision and the reasons therefor.

Part I: Activities Licensed

In pursuance of the powers conferred on it by the Waste Management Act, 1996, the Environmental Protection Agency (the Agency), under Section 40(1) of the said Act hereby grants this Waste Licence to National Waste Management Ltd. to carry on the waste activities listed below at Unit 41, Cookstown Industrial Estate, Tallaght, Dublin 24 subject to eleven Conditions, with the reasons therefor and the associated schedules attached thereto as set out in the licence.

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

Class 13 : Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.

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

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

Class 4 : Recycling or reclamation of other inorganic materials.

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 such waste is produced.

INTERPRETATION

Act	The Waste Management Act, 1996 (No. 10 of 1996).
Adequate lighting	20 lux measured at ground level.
AER	Annual Environmental Report.
Agency	Environmental Protection Agency.
Agreed	Agreed in writing.
Agreement	Agreement in writing.
Appropriate Facility	A waste management facility, duly authorised under relevant law and technically suitable, other than the facility subject to this licence.
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.
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.
Commercial waste	As defined in Section 5 (1) of the Waste Management Act 1996.
Containment boom	A boom which can contain a spillage and prevent it from entering drains or watercourses.
Day	A period from 0000 hours to 2400 hours.
Daytime	0800 hours to 2200 hours.
Daily	Consecutive 24 hour periods.
Emission	As defined in Section 5 (1) of the Waste Management Act 1996.
EMP	Environmental Management Plan.
Emission Limit Value	Those limits, including concentration limits or deposition limits, contained in Schedule G.
Environmental Pollution	As defined in Section 5 (1) of the Waste Management Act 1996.
EWC	European Waste Catalogue: a harmonised, non-exhaustive list of wastes drawn up by the European Commission and Published as Commission Decision 94/2/EC an any subsequent amendment published in the Official Journal of the European Community.
Facility	That area or areas defined under Condition 1.2.
Foul water	Any reference in this licence refers to wash water, truck washing or foul sewage.
Hazardous Waste	As defined in Section 4(2) of the Waste Management Act, 1996.
Household Waste	As defined in Section 5 (1) of the Waste Management Act 1996.
Impulsive Noise	As defined in British Standard BS 4142, 1990. "Method for rating industrial noise affecting mixed residential and industrial areas".

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 Waste Management Act 1996.
Interceptor	See Oil Separator.
Licence	A Waste Licence issued in accordance with the Act.
Licensee	National Waste Management Ltd.
Liquid Waste	Any waste in liquid form and containing less than 20% 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, once during each calendar month.
Municipal Waste	Municipal waste as defined in Section 5 (1) of the Act.
Night-time	2200 hours to 0800 hours.
Noise sensitive location	Any dwelling house, hotel or hostel, health building, educational establishment, place of worship or entertainment, or any other facility or area of high amenity which for its proper enjoyment requires the absence of noise at nuisance levels.
Oil separator	Device installed according to the draft European Standard prEN 858 (Installations for the separation of light liquids, eg. oil and petrol).
Putrescible waste	Waste which is readily biodegradable such as vegetable matter, green waste, etc.
Specified Engineering Works	Those engineering works listed in Schedule E of this licence.
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.
Unacceptable Waste	As defined in Condition 5.2 of this licence.
Waste	As defined in Section 4(1) of the Act.
Waste disposal activity	Includes the activities referred to in Section 4 of the Act and listed in the Third Schedule thereto.
Waste recovery activity	Includes the 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.
Working Day	Monday to Friday 6:00a.m. to 8:00p.m. Saturday 6:00a.m. to 5:00p.m.

Part II: CONDITIONS

Condition 1 SCOPE

- 1.1. Waste activities at the facility shall be restricted to those listed and described in Schedule A and required by this licence.
- 1.2. Waste activities shall be restricted to the area of land outlined in red on Attachment B.2 entitled "Site Boundary Plan" of the waste licence application. Any reference in this licence to "facility" shall mean the area thus outlined in the red line.
- 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.
- 1.6. When the notice has been complied with, the licensee shall provide written confirmation that the requirements of the notice have been carried out. No waste, other than that which is stipulated in the notice, shall be accepted at the facility until written confirmation is received from the Agency that the notice is withdrawn.

Reason: To clarify the scope of this licence.

Condition 2 MANAGEMENT OF THE ACTIVITY

2.1 Environmental Management System

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

2.1.2 The EMS shall include as a minimum those elements specified in the Conditions 2.2 to 2.8 below:

2.2 Schedule of Environmental Objectives and Targets

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

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

2.3 Environmental Management Programme

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

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

2.4 Corrective Action

2.4.1 The licensee shall establish and maintain within six months of the grant of this licence written Corrective Action Procedures (including Emergency Response procedures as per Condition 10.1) to ensure that corrective action is taken should specified requirements to this licence not be fulfilled.

2.5 Awareness and Training

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

2.6 Management Structure

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

- a) the names of all persons who are to provide the management and supervision of the waste activities authorised by the licence;

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- b) a named contact person for communications with the Sanitary Authority
 - c) details of the responsibilities for each individual named under a) above;
 - d) details of the relevant experience, competence and qualifications held by each of the persons nominated under a) above; and
 - e) contingency arrangements for the absences of the named persons from the facility.

2.7 Communications

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

2.8 Annual Environmental Report

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

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

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

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

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

Condition 3 NOTIFICATION AND RECORD KEEPING

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

- a) any emission which results in the contravention of any relevant standard, including any standard for an environmental medium, or any relevant emission limit value, prescribed under any relevant enactment;
- b) any emission which does not comply with the requirements of this licence;
- c) any trigger level specified in this licence or in the EMS which is attained or exceeded;
- d) any malfunction of any environmental control system;
- e) any indication that contamination has, or may have, taken place;

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- f) the cessation of waste activities at the facility for a period in excess of 28 days, and their re-commencement;
 - g) any occurrence with the potential for environmental pollution; and,
 - h) any emergency.
- 3.2 The written record shall include all aspects described in sections (a) to (e) of Condition 10.7.
- 3.3 Unless otherwise instructed in writing by the Agency, the licensee shall notify the Agency by both telephone and facsimile 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.
- 3.4 Unless otherwise instructed in writing by the Agency, the licensee shall submit the written record to the Agency as soon as practicable and in any case within five working days after the occurrence of any incident.
- 3.5 Should any further actions be taken after the date of 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.
- 3.6 Unless otherwise agreed by the Agency, all documentation submitted to the Agency shall:
- (a) be sent to the Agency's headquarters;
 - (b) comprise one original and three copies;
 - (c) be formatted in accordance with any written instruction or guidance issued by the Agency;
 - (d) be identified by a unique code, indicate any modification or amendment, and be correctly dated to reflect any such modification or amendment;
 - (e) be submitted in accordance to the relevant reporting frequencies specified by this licence;
 - (f) be certified as accurate and representative by the licensee; and
 - (g) in the case of results of any environmental monitoring, be accompanied by a written interpretation setting out their significance.
- 3.7 Copies of all environmental monitoring data obtained by the licensee which relates to the facility shall be forwarded to the Agency at the frequencies set out in Schedule D to this licence.
- 3.8 The licensee shall provide additional copies of any documentation referred to in this licence to the Agency upon written request, within the time specified in writing by the Agency.
- 3.9 The licensee shall keep the following documents at the facility office:
- a) the current waste licence relating to the facility;
 - b) the current EMS for the facility;
 - c) the previous year's AER for the facility;
 - d) all written procedures produced by the licensee which relate to the licensed activities.
- 3.10 The licensee shall maintain a written record for each load of waste arriving at the and being removed from the facility. The licensee shall record the following:
- a) the name of the carrier;

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- b) the vehicle registration number;
 - c) the name of the producer(s)/collector(s) of the waste as appropriate;
 - d) a description of the waste;
 - e) the quantity of the waste, recorded in tonnes;
 - f) the name of the person checking the load; and,
 - g) where loads or wastes are removed or rejected, details of the date of occurrence, the types of waste and the facility to which they were removed.
- 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 prior to the commencement of the licensed activities or as agreed in advance in writing with the Agency.
- 4.2 Site Notice Board
- 4.2.1 Within three months of the grant of this licence, a Site Notice Board shall be provided and maintained by the Licensee on the facility so that it is legible to persons outside the main entrance to the facility. The minimum dimensions of the identification board shall be 1200mm by 750 mm.
- 4.2.2 The board shall clearly show:
- a) the name and telephone number of the facility;
 - b) the normal hours of opening;
 - c) the name, address and telephone number of the licence holder;
 - d) an emergency out of hours contact telephone number;
 - e) the name, address and telephone number of the operator of the facility if different from (c) above;
 - f) the waste licence reference number; and
 - g) where monitoring information can be obtained.
- 4.3 Site Security
- 4.3.1 Within three months of the date of grant of this licence, the licensee shall submit to the Agency for its agreement a report detailing a review of the site security arrangements

including upgrading of external fencing as appropriate and any other improvements considered necessary.

4.4 Liquid storage

4.4.1 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.

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

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

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

4.4.5 All tanks and containers shall be labelled to clearly indicate their contents and volume.

4.4.6 All tanks and containers shall be secured against unauthorised access.

4.4.7 All oils and fuels stored in the vehicle maintenance area shall be stored in a bunded area. Details of this bund shall be submitted to the Agency within three months of the date of grant of this licence.

4.5 Waste Inspection/ Waste Quarantine Area

4.5.1 Within six months of the date of grant of the licence, a Waste Inspection Area and a Waste Quarantine Area shall be identified and delineated with their details submitted to the Agency on a drawing for its agreement. These areas shall be of a size appropriate for the inspection of waste and subsequent quarantine if required. The waste inspection area and the waste quarantine area shall be suitably and clearly segregated from each other.

4.6 Weighbridge

4.6.1 Within three months of the date of grant of this licence, details for the design of a weighbridge to be installed at the facility shall be submitted to the Agency for its agreement.

4.6.2 The weighbridge shall be installed within a timeframe to be agreed in advance with the Agency.

4.6.3 The weighbridge shall be provided at an appropriate location and shall be maintained in such condition as to accurately measure the weight of all vehicles using it. The accuracy of the weighbridge shall be tested and demonstrated by the licensee and shall be reported to the Agency within twelve months from the date of its installation. Thereafter, the weighbridge shall be tested to the manufacturer's specifications and reported to the Agency. A written record of such tests and any maintenance or remedial work arising from them shall be maintained by the licensee.

4.7 The fencing at the south-west corner of the site boundary shall be maintained such that dust and noise emissions outside the boundary of the site will be minimised.

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- 4.8 The licensee shall provide adequate lighting during the operation of the facility during the hours of darkness.
- 4.9 Surface Water Runoff
- 4.9.1 The interceptor sumps and silt traps shown on Attachment C.9 "Sewer Drainage Plan" shall be maintained and cleaned out on a regular basis and at least once every six months. Details of the quantity of material from the interceptor sumps and the silt traps and its disposal shall be submitted to the Agency as part of the Annual Environmental Report.
- 4.9.2 Within three months of the date of grant of this licence, all foul sewer gullies, drainage grids and manhole covers shall be painted with red squares whilst all surface water discharge gullies, drainage grids and manhole covers shall be painted with blue triangles. These colour codes shall be maintained so as to be visible at all times during site operation. Any alterations to the site drainage thereafter shall comply with this colour coding within one week of such alterations.
- 4.9.3 Within three months of the date of grant of this licence, the manhole or inspection cover specified in Condition 7.7.m shall be installed at the facility.
- 4.10 Specified Engineering Works
- 4.10.1 The licensee shall submit a written report on any proposed specified engineering works, as defined in Schedule E: Specified Engineering Works, to the Agency for its agreement at a minimum two months prior to any works being carried out. No such works shall be carried out without the prior written agreement of the Agency.
- 4.10.2 All specified engineering works shall be supervised by a competent person(s) agreed in writing in advance by the Agency and that person, or persons, shall be present at all times during which relevant works are being undertaken.
- 4.10.3 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 validation report shall include the following information:
- a) a description of the works;
 - b) as-built drawings of the works;
 - c) records and results of all tests carried out (including failures);
 - d) where relevant a drawing and sections showing the location of all samples and tests carried out;
 - e) daily records sheets/diary;
 - f) name(s) of contractor(s)/individual(s) responsible for undertaking the engineering works;
 - g) name(s) of person(s) responsible for supervision of works and for quality assurance validation of works;
 - h) records of any problems and the remedial works carried out;
 - i) any other information requested in writing by the Agency; and
 - j) a comprehensive drawing of the entire facility drainage network including foul sewerage, surface water drainage, fuel, raw material and waste storage locations, waste quarantine area, monitoring stations, cut-off valves, underground services such as electricity cables and their associated manhole covers, vehicle wash area, oil separators, gullies, manhole covers, buildings, truck parking area, pumps, et cetera.

Condition 5 WASTE ACCEPTANCE AND HANDLING

- 5.1 Where waste types are not permitted to be accepted at the facility, then those waste types shall not be accepted whether or not they have been packaged, placed in other containers or waste materials, or pre-treated by any form of solidification or encapsulation.
- 5.2 The following non-hazardous, non-liquid wastes only shall be accepted at the facility subject to the quantities listed in Schedule H:
- a) Commercial and Industrial waste of similar composition to Municipal Waste;
 - b) Construction and Demolition Waste;
 - c) Industrial Non-Hazardous Solids; and
 - d) The wastes listed in Table E.1.3 of the waste licence application.
- 5.3 The quantity of wastes to be accepted at the facility per annum shall not exceed that set out in Table H.2 in Schedule H. The amount of waste transported off-site to be recycled or recovered shall be equal to or greater than 70% of the annual throughput unless the prior agreement of the Agency has been given. 85% of the aforementioned 70% shall be construction and demolition waste.
- 5.4 Waste must only be accepted at the facility from known customers or new customers subject to initial waste characterisation off-site. The written records of this off-site waste profiling shall be retained by the licensee for all active customers and for a two year period.
- 5.5 Subject to Condition 4.6, waste arriving at the facility shall be weighed, documented and directed to the Transfer Station Building, as shown on Attachment E3 "Waste Handling". 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 for disposal or recovery.
- 5.6 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 sent to an alternative appropriate facility for disposal or recovery.
- 5.7 The licensee shall within six months of the date of grant of this licence submit a written procedure for the management of unacceptable wastes received at the facility for the agreement of the Agency. This procedure will detail unacceptable waste types, handling procedures, waste quarantine procedures, record keeping and levels of staff responsibility.
- 5.8 Subject to Condition 5.2, no waste shall be placed, or allowed to accumulate outside the Transfer Building other than metals, wood or other dry solid waste in trailers/skips/containers pending removal from the site, unless agreed in advance by the Agency.
- 5.9 Waste shall only be handled at the facility between the hours of 6:00a.m. and 8:00 p.m. Monday to Friday inclusive and 6:00a.m. to 5:00p.m. on Saturday, unless agreed otherwise in advance by the Agency.
- 5.10 There shall be no casual public access to the facility and scavenging shall not be permitted at the facility.

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- 5.11 The licensee shall submit a written proposal on any proposed new waste processing procedure, along with relevant details, to the Agency for its agreement at least two months prior to any such processes or associated works being carried out.
 - 5.12 At the end of the working day the floor of the Transfer Station and the Transfer Station Yard shall be cleaned of all waste.
 - 5.13 Unless subject to the prior written agreement of the Agency, a maximum of 5 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.
 - 5.14 Waste sent off-site for recovery or disposal shall only be conveyed to a waste contractor, as agreed with the Agency. The recovery or disposal facilities 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 shall be removed from the facility within forty-eight hours of its arrival on site, unless subject to the prior written agreement of the Agency.
- 6.2 The licensee shall, at a minimum of one week intervals, inspect for nuisances caused by vermin, litter and odours. Written records shall be made of all inspections and any actions taken as a result of these inspections.
- 6.3 All litter on the site and its environs shall be removed and appropriately disposed of on a daily basis.
- 6.4 Any waste placed on or in the vicinity of the facility, other than in accordance with the requirements of this licence, shall be removed by the licensee immediately such waste is discovered and in any event by 10.00am of the next working day.
- 6.5 The public highway in the vicinity of the facility shall be kept free from any debris caused by vehicles entering or leaving the facility. Any such debris or deposited materials shall be removed without delay by the licensee.
- 6.6 The licensee shall ensure that all vehicles delivering and removing waste from the facility are suitably covered, and that there shall be no liquid discharges from the waste transported therein.
- 6.7 The licensee shall ensure that birds, vermin, flies and dust do not give rise to nuisance at the facility or the immediate area of the facility. Any method used by the licensee to control any such nuisance shall not cause environmental pollution.
- 6.8 The licensee shall ensure that the activities shall be carried out in a manner such that emissions including dust, noise and odours do not result in significant impairment of, or significant interference with amenities or the environment beyond the facility boundary.
- 6.9 Within twelve months of the date of grant of this licence, a report giving details of traffic management into and out of the site shall be submitted to the Agency for agreement. This

report shall take into consideration projected waste throughput increases for the transfer station over the following four years.

Reason: To provide for the control of nuisances.

Condition 7 EMISSIONS AND ENVIRONMENTAL IMPACTS

- 7.1 No specified emission from the facility shall exceed the emission limit values set out in Schedule G of this licence. There shall be no other emissions of environmental significance.
- 7.2 The licensee shall ensure that the activities shall be carried out in a manner such that emissions do not result in significant impairment of, or significant interference with the environment beyond the site boundary.
- 7.3 There shall be no clearly audible tonal component or impulsive component in the noise emissions from the activity at the facility boundary.
- 7.4 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.
- 7.5 Within three months of the date of grant of the licence, the licensee shall submit for the agreement of the Agency a Dust Monitoring and Control Plan. This Plan shall include a proposal for either the enclosure of the waste shredder or relocation of it indoors.
- 7.6 Within three months of the date of grant of the 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.
- 7.7 Emissions to Sewer:
- a) No specified discharge or emission to sewer shall exceed the emission limit value set out in Table G.2 of this licence, entitled "Emissions to Sewer - Limit Values". There shall be no other discharge or emission to sewer of environmental significance.
 - b) Monitoring and analyses of each discharge or emission to sewer shall be carried out as specified in Table F.3.2 of this licence entitled "Emissions to Sewer - Frequency of Monitoring"
 - c) Monitoring and analytical equipment shall be operated and maintained as necessary so that monitoring accurately reflects the discharge or emission.
 - d) No substance shall be present 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.
 - e) The licensee shall permit authorised persons of the Agency and the Sanitary Authority to inspect, examine and test, at all reasonable times any works and apparatus installed, in connection with the discharge or emission, and to take samples of the discharge or emission.
 - f) No discharge or 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.
 - g) 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.

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- h) 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.
 - i) The licensee shall provide and maintain an inspection chamber in a suitable position in connection with each pipe through which a discharge or emission is being made. Each such inspection chamber or manhole shall be constructed and maintained by the licensee so as to permit the taking of samples of the discharge or emission.
 - j) The licensee shall submit monitoring results to the Sanitary Authority on an annual basis.
 - k) The trade effluent shall be screened prior to discharge to remove gross solids and avoid blockages in the sewer.
 - l) 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.
 - m) Runoff arising from the shredded waste and topsoil deposited at the rear of the transfer station shall be intercepted and diverted to the foul drain by means of a settlement sump tank. A manhole or inspection cover shall be constructed on this tank to allow for cleaning or inspection.
 - n) Sanitary Authority charges of £600.00 per annum should be made payable to South Dublin County Council directly. Sanitary Authority charges will increase from time to time in response to increased costs in providing drainage and monitoring.

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

Condition 8 DECOMMISSIONING AND AFTERCARE

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

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

Condition 9 ENVIRONMENTAL MONITORING

- 9.1 Subject to Condition 9.6, the licensee shall carry out such monitoring at such locations and frequencies as set out in Schedule F : *Monitoring* and in the conditions of this licence.
- 9.2 The licensee shall provide and maintain all sampling and monitoring points so that they may be used for the representative sampling and monitoring of emissions from the facility.
- 9.3 The licensee shall provide safe and permanent access to all on-site and off-site sampling and monitoring points as required by the Agency.

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- 9.4 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.
- 9.5 Noise monitoring is to be undertaken at the site within three months of the date of grant of the licence. Subsequently, unless otherwise agreed with the Agency, the licensee shall carry out a noise survey of the site operations bi-annually. A survey programme (including the timing, nature and extent of the survey) shall be submitted to the Agency in writing at least two months before the survey is to be carried out. A record of the survey results shall be available for inspection by any authorised persons of the Agency, at all reasonable times.
- 9.6 Unless otherwise agreed with the Agency, the licensee shall carry out dust monitoring at the site on a monthly basis. The first dust monitoring shall be undertaken within a month of the date of grant of the licence. Within twelve months of the date of grant of the licence, the dust emission limit values will be as prescribed in Schedule G of this licence.
- 9.7 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.
- 9.8 Unless otherwise agreed in writing with the Agency, a written record shall be kept of the names, qualifications and a summary of relevant experience of all persons who carry out all sampling and monitoring as required by this licence and who carry out the interpretation of the results of such sampling and monitoring.
- 9.9 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.
- 9.10 All on-site monitoring points shall be tagged in situ with their agreed sampling point codes within ten months of the granting of this licence.

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

Condition 10 CONTINGENCY ARRANGEMENTS

- 10.1 The licensee shall within six months of the date of grant of this licence, submit a written Emergency Response Procedure (ERP) to the Agency for its agreement. The ERP shall address any emergency situation 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 safely stored prior to disposal at an appropriate facility. A written record of the use and disposal of these items shall be maintained by the licensee.
- 10.3 All significant spillages occurring at the facility shall be treated as an emergency and immediately cleaned up and dealt with so as to alleviate their effects.
- 10.4 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.

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- 10.5 In the event that a significant risk is found to exist for the release of contaminated fire-water, the licensee shall, based on the findings of the risk assessment, prepare and implement, with the agreement of the Agency, a suitable risk management programme. The risk management programme shall be fully implemented within the timescale as notified in writing by the Agency.
- 10.6 In the event of a complete breakdown of equipment or any other occurrence which results in the closure of 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 Waste Transfer 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 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 if any;
 - 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; and
 - f) provide a proposal to the Agency for its agreement within month of notification to the Agency 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 £7,841 or such sum as the Agency from time to time determines, towards the cost of monitoring 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 Consumer Price Index from the date of the licence to the renewal date. The updated amount shall be notified to the licensee by the Agency. For 2000, the licensee shall pay a pro rata amount from the date of this licence to December 31 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 due to an incident, or incidents, occurring on or adjacent to and associated with the facility, the licensee shall contribute such sums as determined by the Agency to defray its costs.

11.2 Environmental Liabilities

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 or in

consequence of ceasing to carry on those activities. A report on this assessment shall be submitted to the Agency for agreement within six months of date of grant of this licence.

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

Waste Management Act, 1996: Third Schedule ^{Note 1}

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 storage of non-recoverable commercial and industrial wastes received at this facility, prior to disposal at an alternative appropriate facility.

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

Waste Management Act, 1996: Fourth Schedule ^{Note 1}

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.

Class 4 **Recycling or reclamation of other inorganic materials.**

This activity is limited to the receipt, holding of inert construction and demolition wastes (such as bricks, cement, ceramics, soils) to be sent off site for reprocessing.

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 such waste is produced.**

This activity is limited to the storage of commercial and industrial non-hazardous wastes and wood or timber waste received at this facility, prior to recovery at an alternative appropriate facility.

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



SCHEDULE B : Content of the Environmental Management Programme

Environmental Management Programme

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

Timescale for achieving the objectives and targets listed in the Schedule of Objectives and Targets - (Separation and recovery of appropriate waste components).

Designation of Responsibility for Achieving Targets and Objectives.

Other items as specified in writing by the Agency.



SCHEDULE C : Content of the Annual Environmental Report

Annual Environmental Report Content

Reporting Period.

Waste activities carried out at the facility.

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

Projections of the quantities to be accepted and percentages disposed and recycled/ recovered for the coming year.

Summary report on emissions (Certified results/data sheets to be attached as Appendices) including wastes from silt traps and interceptor sumps.

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.

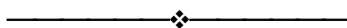
Full title and a written summary of any procedures developed by the licensee in the year which relates to the facility operation.

Drum, tank and bund testing at least every third year.

Reported Incidents and Complaints summaries.

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

Any other items specified by the Agency.



SCHEDULE D : Recording and Reporting to the Agency

Table D.1 Recurring Reports:

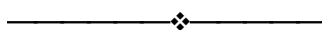
Report	Reporting Frequency <small>Note 1</small>	Report Submission Date
<u>I. Monitoring</u>		
(i) Monitoring of emissions to percolation system	Quarterly	Ten days after end of the quarter being reported on.
(ii) Noise monitoring	Bi-annually	One month after the completion of the monitoring.
(iii) Dust monitoring	Quarterly	One month after the completion of the monitoring.
<u>II. Records of incidents</u>	As they occur	See Condition 3.4
<u>III. Proposals for Separation and Recovery of Waste Streams</u>	As they occur	See Condition 5.11
<u>IV. Infrastructure</u>		
(i) Bund and tank integrity assessment	Every third year	Six months from the date of grant of licence and one month after the end of every year as specified in Condition 4.4.4 thereafter.
(ii) Weighbridge Accuracy	As they occur	Upon the installation of the weighbridge and according to manufacturer's specifications thereafter.
<u>V. Environmental Management System Updates</u>	<i>Note 2</i>	One month after the end of each year being reported on.
(i) Environmental Management System	Annually	
(ii) Schedule of Objectives and targets	Annually	
(iii) Environmental Management Programme	Annually	
(iv) Annual Environmental Report	Annually	
<u>VI. Financial</u>		
(i) Financial Provision as per Conditions 11.2.2 and 11.2.3	Annually	Nine months from the date of grant of licence and thereafter within the first month of each year being reported on.
(ii) Financial Provision as per Conditions 11.2.4	As they occur	Within two weeks of the purchase, renewal or revision of the financial provision required under Condition 11.2.2

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

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

Table D.2: Once-off Reports:

Report	Condition Number	Report Submission Date
<u>I. Environmental Management System</u>		
(i) Environmental Management System proposals	2.1.1	Within eighteen months of the date of grant of licence.
(ii) Schedule of Objectives and targets	2.2.1	Within twelve months of the date of grant of licence
(iii) Environmental Management Programme	2.3.1	Within twelve months of the date of grant of licence
(iv) Management Structure	2.6.1	Within nine months of the grant of this licence
(v) Communications Programme	2.7.1	Within twelve months of the date of grant of licence
(vi) Annual Environmental Report	2.8.1	Within twelve months of the date of grant of licence
<u>II. Infrastructure</u>		
(i) Site Security	4.3.1	Within three months of the date of grant of licence.
(ii) Waste Inspection/Quarantine Area Proposals	4.5.1	Within six months of the date of grant of licence.
(iii) Weighbridge Accuracy Report	4.6.3	Within twelve months of the installation of the weighbridge.
(iv) Reports required in connection with Specified Engineering Works	4.10.1	As specified in Schedule E or elsewhere in the Licence.
<u>III. Nuisances</u>		
(i) Dust Monitoring and Control Plan	7.5	Within three months of the date of grant of licence.
(ii) Noise Minimisation Plan	7.6	Within three months of the date of grant of licence.
(iii) Traffic Management Plan	6.9	Within twelve months of the date of grant of licence.
<u>IV. Contingency Arrangements</u>		
(i) Emergency Response Procedures	10.1	Within six months of the date of grant of licence.
<u>V. Financial</u>		
(i) Environmental Liabilities Risk Assessment	11.2.1	Within six months of the date of grant of licence
<u>VI. Procedures</u>		
(i) Corrective Action Procedures	2.4.1	Within six months of the date of grant of licence.
(ii) Awareness and Training Procedures	2.5.1	Within six months of the date of grant of licence.
(iii) Procedure for the management of unacceptable waste.	5.7	Within six months of the date of grant of licence.
<u>VII. Monitoring</u>		
Grid References	Schedule F.3	Within three months of the date of grant of licence



SCHEDULE E : Specified Engineering Works

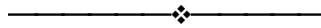
The terms of Condition 4.10 shall apply to the Specified Engineering Works listed in Table E.1 unless stated otherwise.

Table E.1 Specified Engineering Works

Specified Engineering Works	Relevant Condition
Installation of Site Identification Board within three months of the granting of this licence. <i>(Note 1)</i>	4.2
Installation of bunded storage area or equivalent in the vehicle maintenance area. <i>(Note 2)</i>	4.4.7
Installation of weighbridge. <i>(Note 2)</i>	4.6
Provide in-situ tagging of monitoring points within ten months of the granting of this licence. <i>(Note 1)</i>	9.10
Any other works notified in writing by the Agency	

Note 1: Not subject to Condition 4.10.1

Note 2: Subject to Condition 4.10.1



SCHEDULE F : Monitoring

F.1: Dust

Monitoring shall be carried out at D1 to D3 as shown on Figure 7 of the EIS “Site Sampling Locations”.

Table F.1.1 Dust Monitoring Locations

STATION	EASTING	NORTHING
D1	308367E	228267N
D2	308362E	228313N
D3	308309E	228290N

The frequency of sampling and analysis is listed in the following table:

Table F.1.2 Dust Monitoring

Parameter	Monitoring Frequency	Analysis Method/Technique
Dust	Monthly	Standard Method ^{Note 1}

Note 1: Standard method VDI2119 (Measurement of Dustfall, Determination of Dustfall using Bergerhoff Instrument (Standard Method) German Engineering Institute) or an alternative agreed in writing with the Agency.

F.2: Noise

The frequency of sampling and analysis is listed in Table F.2.2.

Table F.2.1 Noise Monitoring Locations

STATION	EASTING	NORTHING
N1	308329E	228235N
N2	308371E	228265N
N3	308313E	228291N
N4	308375E	228317N
N5 (SL1)	308249E	228183N
Other ^{Note 1}		

Note 1: Any other Noise Sensitive Location which the Agency deems appropriate.

Table F.2.2 Noise Monitoring

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

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

F.3: Emissions to Sewer

Table F.3.1 Sewer monitoring locations

STATION	LOCATION DESCRIPTION AS PER TABLE 9 OF EIS VOL 2 ^{NOTE 1}
E1	WASH BAY
E3	TRANSFER STATION

NOTE 1: eastings and northings to be provided to the Agency within three months of the date of grant of the licence

Table F.3.2 Emissions to Sewer - Monitoring Frequencies

Parameter	Monitoring Frequency	Sampling Method/Type
BOD	Quarterly	24 -hour composite
COD	Quarterly	24 -hour composite
Ammonical Nitrogen	Quarterly	24 -hour composite
Suspended Solids	Quarterly	24 -hour composite
Sulphates (as SO ₄)	Quarterly	24 -hour composite
Temperature	Quarterly	Grab
pH	Quarterly	Grab
Fats, Oils, Grease	Quarterly	24 -hour composite
Detergents (as MBAS)	Quarterly	24 -hour composite



SCHEDULE G : Emission Limits

G.1 : Dust Deposition Limits

Table G.1 Dust Deposition Limits^{Note 1}

Level (mg/m ² /day) ^{Note 2}
350

Note 1: Subject to Condition 9.6

Note 2: Based on a 30 day composite sample with the results expressed as mg/m² /day at the monitoring points specified in Table F.1.1 of this licence.

G.2 Emissions to Sewer - Limit Values

Emission Point Reference Nos.: E1, E3

Volume to be emitted: Maximum in any one week: 20m³/day
Maximum rate per hour: 5m³/hour

Table G.2 Emissions to Sewer - Limit Values

Parameter	Emission	Limit	Value
	Grab Sample (mg/l)	Daily Concentration (mg/l)	Mean Concentration (mg/l) Daily Mean Loading (kg/day)
Temperature	42°C		
BOD	2500	2000	40.0
COD	5000	4000	80.0
pH	6 - 10	6 - 10	
Ammoniacal Nitrogen	100	70	1.4
Suspended solids	1000	700	14.0
Sulphates (as SO ₄)	1000	1000	20.0
Detergents (as MBAS)	100	100	2.0
Fats, Oils, Grease	100	100	2.0

G.3: Emissions to Atmosphere

Table G.3 Emissions to Atmosphere^{Note 1}

Total Particulates ^{Note2} Emission Limit Value (mg/m ³)
50

Note 1: Subject to Condition 7.5, any emission from the enclosure of the shredder or a building in which it is contained shall not exceed the emission limit value set in Table G 3.

Note 2: Details of the proposed emission point to be submitted to the Agency for agreement.



SCHEDULE H : Waste Types and Quantities

Table H.1 Waste Types

Waste Type	Maximum Quantity Per Annum *
Commercial and Industrial Non-Hazardous Solids	30% of total tonnage per annum
Construction and Demolition	70% of total tonnage per annum

*distribution of tonnages can only be changed with the prior written agreement of the Agency.

Table H.2 Annual Quantities of Waste

NON-HAZARDOUS WASTE (tpa)	MAXIMUM TOTAL ANNUAL QUANTITY OF WASTE (tpa)
145,000	145,000



Sealed by the seal of the Agency on this the 24th day of January 2000.

PRESENT when the seal of the Agency was affixed hereto:

Declan Burns Director/Authorised Person