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

WASTE LICENCE

Waste Licence Register Number:	192-1	*
Licensee:	Rilta Limited t/a Sita Environmental	*
Location of Facility:	Block 402, Greenogue Business Park, Rathcoole, County Dublin	*

INTRODUCTION

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

This licence is for the operation of a hazardous waste treatment facility on a green field site at Greenogue Business Park, Rathcoole, County Dublin. The quantity of waste to be accepted at the facility is limited to 62,500 tonnes per annum consisting of hazardous waste, commercial waste, construction and demolition waste, industrial sludges and industrial waste.

The facility comprises of three components namely: drum recovery centre, hydrocarbon waste treatment centre and hazardous waste transfer station. At the drum recovery centre, nominally empty industrial packaging such as steel drums, plastic drums and intermediate bulk containers (IBC) will be reconditioned or recycled. The principal process at the hydrocarbon waste treatment centre will be treatment/recovery of hydrocarbon contaminated waste from such sources as bilge tanks of ships, petrol stations and oil spills. The hazardous waste transfer station will allow for bulking up and transfer of hazardous waste for recovery/disposal.

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

The licence sets out in detail the conditions under which Rilta Limited t/a Sita Environmental will operate and manage this facility.

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DECISION & REASONS FOR THE DECISION

On the basis of the information before it, the Environmental Protection Agency is satisfied that the waste activity, or activities, licensed hereunder in Part I will comply with the requirements of Section 40(4) of the Waste Management Acts 1996 to 2003.

In reaching this decision the Environmental Protection Agency has considered the application and supporting documentation received from the applicant, a 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.

INTERPRETATION

All terms in this licence should be interpreted in accordance with the definitions in the Waste Management Acts 1996 to 2003, (the Acts), unless otherwise defined in this section.

Adequate lighting	20 lux measured at ground level.
Aerosol	A suspension of solid or liquid particles in a gaseous medium.
Agreement	Agreement in writing.
Annually	At approximately twelve monthly intervals.
Attachment	Any reference to Attachments in this licence refers to attachments submitted as part of the waste licence application.
Application	The application by the licensee for this waste licence.
Appropriate facility	A waste management facility, duly authorised under relevant law and technically suitable.
BAT	Best Available Techniques.
Bi-annually	All or part of a period of six consecutive months.
Biodegradable waste	Any waste that is capable of undergoing anaerobic or aerobic decomposition, such as food, garden waste, sewage sludge, paper and paperboard.
Condition	A condition of this licence.
Consignment Note	All movements of hazardous waste within Ireland must be accompanied by a "C1" consignment note issued by a local authority under the Waste Management (Movement of Hazardous Waste) Regulations (SI No. 147 of 1998
Construction and Demolition Waste	All wastes which arise from construction, renovation and demolition activities.
Containment boom	A boom which can contain spillages and prevent them from entering drains or watercourses.
Daytime	8.00 a.m. to 10.00 p.m.
Documentation	Any report, record, result, data, drawing, proposal, interpretation or other document in written or electronic form which is required by this licence.

Drawing	Any reference to a drawing or drawing number means a drawing or drawing number contained in the application, unless otherwise specified in this licence.
Emergency	Those occurrences defined in Condition 9.4.
Emission Limits	Those limits, including concentration limits and deposition levels established in *Schedule C: Emission Limits*, of this licence.
European Waste Catalogue (EWC)	A harmonised, non-exhaustive list of wastes drawn up by the European Commission and published as Commission Decision 2000/532/EC and any subsequent amendment published in the Official Journal of the European Community.
Green waste	Waste wood (excluding timber), plant matter such as grass cuttings, and other vegetation.
Hours of Operation	The hours during which the facility is authorised to be operational
Hours of Waste Acceptance	The hours during which the facility is authorised to accept waste
Incident	The following shall constitute an incident for the purposes of this licence: a) an emergency; b) any emission which does not comply with the requirements of this licence; c) any exceedence of the daily duty capacity of the waste handling equipment; d) any trigger level specified in this licence which is attained or exceeded; and, e) any indication that environmental pollution has, or may have, taken place
Industrial Waste	As defined in Section 5(1) of the Act.
Inert waste	Waste as so defined in S.I. No. 395 of 2004 Waste Management (Licensing) Regulations, 2004.
Landfill Directive	Council Directive 1999/31/EC.
Licence	A Waste Licence issued in accordance with the Acts.
Licensee	Rilta Limited t/a Sita Environmental.
Liquid Waste	Any waste in liquid form and containing less than 2% dry matter. Any waste tankered to the facility.
Maintain	Keep in a fit state, including such regular inspection, servicing, calibration and repair as may be necessary to adequately perform its function.
Mobile Plant	Self-propelled machinery used for the emplacement of wastes or for the construction of specified engineering works.
Monthly	A minimum of 12 times per year, at approximately monthly intervals.
Municipal waste	As defined in Section 5(1) of the Act.
Night-time	10.00 p.m. to 8.00 a.m.

Noise Sensitive Location (NSL)	Any dwelling house, hotel or hostel, health building, educational establishment, place of worship or entertainment, or any other facility or area of high amenity which for its proper enjoyment requires the absence of noise at nuisance levels.
Oil Separator	Device installed according to the draft European Standard prEN 858 (Installations for the separation of light liquids, e.g. oil and petrol).
Recyclable Materials	Those waste types, such as cardboard, batteries, gas cylinders, etc, which may be recycled.
Quarterly	At approximately three monthly intervals.
Sanitary Authority	South Dublin County Council.
Sample(s)	Unless the context of this licence indicates to the contrary, samples shall include measurements by electronic instruments.
SOP	Standard Operating Procedure.
Specified Emissions	Those emissions listed in *Schedule C: Emission Limits* of this licence.
Specified Engineering Works (SEW)	Those engineering works listed in *Schedule B: Specified Engineering Works* of this licence.
TOC	Total Organic Carbon.
Transfrontier Shipment Notification	Transfrontier Shipment Notification and movement/tracking form numbers are required for all exports of waste from, into or through the State under the Waste Management (Transfrontier Shipment of Waste) Regulations (S.I. No. 149 of 1998).
Trigger Level	A parameter value specified in the licence, the achievement or exceedance of which requires certain actions to be taken by the licensee.
Wastewater	Contaminated water including water that has been used, for washing, and/or flushing (including foul water).
Weekly	During all weeks of plant operation, and in the case of emissions, when emissions are taking place; with no more than one measurement in any one week.
White Goods	Refrigerators, cookers, ovens and other similar appliances.
EPA Working Day	Refers to the following hours; 9.00 a.m. to 5.30 p.m. Monday to Friday inclusive.

Part I Schedule of Activities Licensed

In pursuance of the powers conferred on it by the Waste Management Acts 1996 to 2003, the Environmental Protection Agency (the Agency), under Section 40(1) of the said Acts hereby grants this Waste Licence to Rilta Limited t/a Sita Environmental to carry on the waste activities listed below at Block 402, Greenogue Business Park, Rathcoole, Co. Dublin subject to 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 Acts 1996 to 2003

Class 7.	Physico-chemical treatment not referred to elsewhere in this Schedule (including evaporation, drying and calcination) which results in final compounds or mixtures which are disposed of by means of any activity referred to in paragraphs 1. to 10. of this Schedule (including evaporation, drying and calcination).
Class 11.	Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.
Class 12.	Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.
Class 13.	Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.

Licensed Waste Recovery Activities, in accordance with the Fourth Schedule of the Waste Management Acts 1996 to 2003

Class 2.	Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes).
Class 3.	Recycling or reclamation of metals and metal compounds.
Class 4.	Recycling or reclamation of other inorganic materials.
Class 6.	Recovery of components used for pollution abatement.
Class 8.	Oil re-refining or other re-uses of oil.
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.

Part II: Schedule of Activities Refused

On the basis of the information before it, the Environmental Protection Agency (the Agency), pursuant to its powers under Section 40(1) of the Waste Management Acts 1996 to 2003, hereby refuses the following class of activity.

Refused waste disposal activities, in accordance with the Third Schedule of the Waste Management Acts 1996 to 2003

Class 4.	**Surface impoundment, including placement of liquid or sludge discards into pits, ponds or lagoons.** Reason: The storage of waste oil/water mixtures in settlement tanks on-site and temporary storage of settled sludge and flocculated solids from the water treatment stage does not constitute a Class 4 Activity. This activity as described in the application is more appropriate to and acceptable under Class 7 and Class 13 of the Third Schedule.

PART III CONDITIONS

CONDITION 1 SCOPE OF THE LICENCE

1.1 Waste activities at the facility shall be restricted to those outlined in the licence application and listed and described in Part I: Activities Licensed and authorised by this licence subject to the conditions of this licence.

1.2 For the purposes of this licence, the facility is the area of land outlined in red on Drawing No. 1102/02/301 *Site Location* of the application. Any reference in this licence to "facility" shall mean this area outlined in red.

1.3 This licence is for the purposes of waste licensing under the Waste Management Acts 1996 to 2003 only and nothing in this licence shall be construed as negating the licensee's statutory obligations or requirements under any other enactments or regulations.

1.4 Only those waste categories and quantities listed in *Schedule A: Waste Acceptance* of this licence, shall be accepted at the facility.

1.5 Every plan, programme or proposal submitted to the Agency for its agreement pursuant to any Condition of this licence shall include a proposed timescale for its implementation. The Agency may modify or alter any such plan, programme or proposal in so far as it considers such modification or alteration to be necessary and shall notify the licensee in writing of any such modification or alteration. Every such plan, programme or proposal shall be carried out within the timescale fixed by the Agency but shall not be undertaken without the agreement of the Agency. Every such plan, programme or proposal agreed by the Agency shall be covered by the conditions of this licence.

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

CONDITION 2 MANAGEMENT OF THE FACILITY

2.1 Facility Management

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

2.1.2 Both the facility manager and deputy, and any replacement manager or deputy, shall successfully complete both the FAS waste management training programme (or equivalent agreed by the Agency) and associated on site assessment appraisal within twelve months of appointment.

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

2.2 Management Structure

2.2.1 Prior to the commencement of waste activities, the licensee shall submit written details of the management structure of the facility to the Agency. Any proposed replacement

in the management structure shall be notified in advance in writing to the Agency. Written details of the management structure shall include the following information.

a) the names of all persons who are to provide the management and supervision of the waste activities authorised by the licence, in particular the name of the facility manager and any nominated deputies;

b) details of the responsibilities for each individual named under a) above; and

c) details of the relevant education, training and experience held by each of the persons nominated under a) above.

2.3 Environmental Management System (EMS)

2.3.1 The licensee shall establish and maintain an EMS. Within three months from the date of grant of this licence, the licensee shall 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 its agreement as part of the AER.

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

2.3.2.1 Schedule of Environmental Objectives and Targets

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

2.3.2.2 Environmental Management Plan (EMP)

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

(i) methods by which the objectives and targets will be achieved in the coming year and the designation of responsibility for targets;

(ii) any other items required by written guidance issued by the Agency.

2.3.2.3 Corrective Action Procedures

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

2.3.2.4 Awareness and Training Programme

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

2.4 Communications Programme

2.4.1 The licensee shall establish and maintain a Communications Programme to ensure that members of the public can obtain information at the facility, at all reasonable times, concerning the environmental performance of the facility. This shall be established within six months of the date of grant of this licence.

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

CONDITION 3 FACILITY INFRASTRUCTURE

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

3.2 Specified Engineering Works

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

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

3.2.3 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 as may be appropriate 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) drawings and sections showing the location of all samples and tests carried out;

e) daily record sheets/diary;

f) name(s) of contractor(s)/individual(s) responsible for undertaking the specified 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 to resolve those problems; and

i) any other information requested in writing by the Agency.

3.3 Facility Notice Board

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

3.3.2 The board shall clearly show:-

a) the name and telephone number of the facility;

b) the normal hours of opening;

c) the name of the licence holder;

d) an emergency out of hours contact telephone number;

e) the licence reference number; and

f) where environmental information relating to the facility can be obtained.

3.4 Facility Security

3.4.1 Prior to commencement of waste acceptance at the facility, security and stockproof fencing and gates shall be installed and maintained as described in Section 3.5.2 *Security and Entry Control Facilities* of the EIS submitted with the application, unless

otherwise agreed by the Agency. The security fence and gates shall be at the locations shown on Drawing No. 1102/02/305 *Site Layout Plan*. The base of the fencing shall be set in the ground.

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

a) a temporary repair shall be made by the end of the working day; and

b) a repair to the standard of the original gates and/or fencing shall be undertaken within three working days.

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

3.4.4 There shall be no casual public access to the facility.

3.5 Facility Roads and Site Surfaces

3.5.1 Effective site roads shall be provided and maintained to ensure the safe movement of vehicles within the facility.

3.5.2 Prior to commencement of waste acceptance at the facility, the licensee shall provide, and maintain an impermeable concrete surface in all areas of the facility, the surfaces shall be concreted and constructed to British Standard 8110 or an alternative as agreed by the Agency.

3.5.3 Traffic layout at the facility shall be such that emergency services' vehicles shall have access to all parts of the facility at all times.

3.6 Facility Office

3.6.1 The licensee shall provide and maintain an office at the facility. The office shall be constructed and maintained in a manner suitable for the processing and storing of documentation.

3.6.2 The licensee shall provide and maintain a working telephone and a method for electronic transfer of information at the facility.

3.7 Waste Inspection and Quarantine Areas

3.7.1 Prior to commencement of waste acceptance at the facility, Waste Inspection Area(s) and separate Waste Quarantine Area(s) shall be provided and maintained at the facility.

3.7.2 These areas shall be constructed and maintained in a manner suitable, and be of a size appropriate, for the inspection of waste and subsequent quarantine if required. The waste inspection area(s) and the waste quarantine area(s) shall be clearly identified and segregated from each other.

3.7.3 The waste quarantine area(s) shall be secured, bunded and surfaced to deal with spillages.

3.8 Weighbridge and Vehicle Wash Area

3.8.1 Prior to commencement of waste acceptance at the facility, the licensee shall provide and maintain weighbridge(s) and a vehicle wash area at the facility.

3.8.2 The vehicle wash area shall be used by all vehicles leaving the facility as required to ensure that no wastewater or waste is carried off-site. All water from the vehicle wash area shall be directed to the wastewater drainage system.

3.9 Waste handling, ventilation and processing plant

3.9.1 Items of plant deemed critical to the efficient and adequate processing of waste at the facility (including *inter alia* waste loading vehicles and ejector trailers) shall be provided on the following basis:-

a) 100% duty capacity;

b) 20% standby capacity available on a routine basis; and

c) Provision of contingency arrangements and/or back up and spares in the case of breakdown of critical equipment.

3.9.2 Prior to the commencement of waste activities, the licensee shall provide a report for the agreement of the Agency detailing the duty and standby capacity in tonnes per day, of all waste handling and processing equipment to be used at the facility. These capacities shall be based on the licensed waste intake, as per *Schedule A: Waste Acceptance*, of this licence.

3.9.3 The quantity of waste to be accepted at the facility on a daily basis shall not exceed the duty capacity of the equipment at the facility. Any exceedance of this intake shall be treated as an incident.

3.10 Hazardous Waste Storage Areas and Tank and Drum Storage Areas

3.10.1 All tank, drum and hazardous waste storage areas shall be rendered impervious to the materials stored therein.

3.10.2 All tank, drum and hazardous waste storage areas shall, as a minimum, be bunded, either locally or remotely, to a volume not less than the greater of the following:-

a) 110% of the capacity of the largest tank or drum within the bunded area; or

b) 25% of the total volume of substance which could be stored within the bunded area.

3.10.3 Daily visual inspection shall be carried out at all bunded areas to detect any possible spillages. Weekly visual inspections shall be carried out to assess all bunds and hardstanding areas for structural soundness and cracking/damage.

3.10.4 All spillages shall be treated as hazardous waste unless they are known to be otherwise. All drainage from bunded areas shall be diverted for collection and safe disposal.

3.10.5 Each bunded area shall be clearly labelled so that it is legible to persons outside the bunded area. The labelling shall clearly indicate the material class type stored in that area and the maximum quantity of material that can be stored therein. The management and arrangements of the bunded areas shall ensure that no mixing of incompatible substances, as a result of spillages or otherwise, shall take place.

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

3.10.7 The integrity and water tightness of all the bunds and their resistance to penetration by water or other materials stored therein shall be confirmed by the licensee and shall be reported to the Agency following its installation and prior to its use as a storage area. This confirmation shall be repeated at least once every three years thereafter and reported to the Agency on each occasion.

3.11 Underground Settlement Tanks

3.11.1 Prior to waste acceptance at the Hydrocarbon Waste Treatment Centre, a secondary containment system with leak detection shall be installed for the underground settlement tanks shown on Drawing No. GA-05 Rev. L *Foundation/Ground FL GA Hydrocarbon*

Waste Treatment Centre of the Article 16 reply received on 10/05/04. Installation shall be in accordance with *Installation, Decommissioning and Removal of Underground Storage Tanks*, PPG 27 EA.

3.11.2 The licensee shall complete a construction quality assurance validation for the above works as specified in Condition 3.2.3 including a certificate confirming that the tanks comply with BS EN 12285-1:2003 or equivalent.

3.12 Decant Room & Photographic Waste Processing Plant (PWPP) (Hazardous Waste Transfer Station).

3.12.1 Details of the decant room and PWPP must be agreed in advance by the Agency as part of SEW. The proposal must include and address the following as a minimum:

a) Bunding arrangements

b) Drainage arrangements

c) Air emissions

d) Noise emissions

e) Process control equipment

f) Back-up, maintenance and calibration requirements

g) Abatement equipment

h) Periods of emission

i) Volumes to be emitted

j) Stack characteristics including vent diameter and height above ground level

k) Assessment of compliance with Condition 11.1.

3.12.2 A noise prediction model shall be submitted to the Agency as part of the proposal to install and operate the decant room and PWPP.

3.12.3 An air emissions model shall be submitted to the Agency as part of the proposal to install and operate the decant room and PWPP.

3.12.4 Monitoring locations, frequency of monitoring, emission limit values, methods of analysis and monitoring parameters shall be agreed in advance by the Agency prior to the operation of the decant room and PWPP.

3.13 Drainage system, pipeline testing

3.13.1 Prior to commencement of waste acceptance, the wastewater drainage system shall be installed as described in Section D.1.I *Sewerage and Surface Water Drainage Infrastructure* and shown on Drawing No. D1 *Drainage Layout* and specified on Drawing No. GA-07 *Foundation/Ground FL GA Drum Recycling Centre*, Drawing No. GA-01 *Foundation/Ground FL GA Hazardous Waste Transfer Station* and Drawing No. GA-05 *Foundation/Ground FL GA Hydrocarbon Waste Treatment Centre* submitted as part of the Article 16 reply received on 10/05/04, unless otherwise agreed by the Agency.

3.13.2 In the Drum Recovery Centre and the Hazardous Waste Transfer Station, a manual shut-off valve shall be installed on the wastewater drainage network prior to discharge to the sewer. The shut-off valve shall be maintained in the closed position.

3.13.3 Surface water run-off from the vehicle wash area and the weighbridge area shall be discharged to the wastewater drainage system.

3.13.4 Surface water run-off from all areas other than the weighbridge area and the vehicle wash area shall be discharged to the surface water run-off drainage system.

3.13.5 The licensee shall install and maintain silt traps and oil interceptors at the facility to ensure that all surface water run-off and wastewater (excluding toilet and canteen wastewater) discharges from the facility pass through a silt trap and oil interceptor prior to discharge. For discharges to surface water, the interceptors shall be a Class I full retention interceptor which shall be fitted with a manual shut-off valve. For discharges to sewer, the interceptors shall be Class II full retention interceptor. The silt traps and interceptors shall be in accordance with European Standard prEN 858 (installations for the separation of light liquids).

3.13.6 The licensee shall submit a drawing to the Agency within six months of the date of grant of this licence, indicating all drainage arrangements at the site as detailed in this licence.

3.13.7 Prior to the commencement of waste activities, all foul sewer gullies, drainage grids and manhole covers shall be painted with red squares whilst all surface water discharge gullies, drainage grids and manhole covers shall be painted with blue triangles. These colour codes shall be maintained so as to be visible at all times during facility operation, and any identification designated in this licence (e.g. SW1) shall be inscribed on these manholes.

3.13.8 The drainage system, bunds, silt traps and oil separators shall be inspected weekly, desludged as necessary and properly maintained at all times. All sludge and drainage from these operations shall be collected for safe disposal. A written record shall be kept of the inspections, desludging, cleaning, disposal of associated waste products, maintenance and performance of the interceptors, bunds and drains.

3.13.9 The integrity and water tightness of all underground pipes and tanks and their resistance to penetration by water or other materials carried or stored therein shall be tested and demonstrated by the licensee and shall be reported to the Agency following their installation and prior to their use. This testing shall be carried out by the licensee at least once every three years thereafter and reported to the Agency on each occasion. A written record of all integrity tests and any maintenance or remedial work arising from them shall be maintained by the licensee.

3.14 Monitoring Infrastructure

3.14.1 Groundwater

(i) All wellheads shall be adequately sealed to prevent surface contamination within six months from the date of grant of this licence.

(ii) Groundwater monitoring wells shall be constructed having regard to the guidance given in the Agency's landfill manual "Landfill Monitoring".

3.14.2 Replacement of Infrastructure

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

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

CONDITION 4 RESTORATION AND AFTERCARE

4.1. Decommissioning and Aftercare of the facility shall be carried out to an agreed plan and to an agreed standard sufficient to return the site to a satisfactory state. A proposal for a Decommissioning and Aftercare Plan for the facility shall be submitted prior to commencement of waste acceptance at the facility. The licensee shall update decommissioning and closure plans when required by the Agency.

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

CONDITION 5 FACILITY OPERATIONS

5.1 All waste processing shall be carried out inside the Drum Recovery Centre, the Hydrocarbon Waste Treatment Centre or the Hazardous Waste Transfer Station.

5.2 Waste Acceptance and Characterisation Procedures

5.2.1 Waste shall only be accepted at the facility, from Local Authority waste collection or transport vehicles or holders of waste permits, unless exempted or excluded, issued under the Waste Management (Collection Permit) Regulations 2001. Copies of these waste collection permits must be maintained at the facility.

5.2.2 Prior to commencement of waste acceptance at the facility, the licensee shall establish and maintain detailed written procedures and criteria for the acceptance, handling, sampling and bulking of all wastes to include decontamination, labelling, compatibility testing, analysis, weighing, documentation, transfer, storage and record keeping.

5.2.3 Hazardous wastes that are accepted at the facility as per *Schedule A: Waste Acceptance*, of this licence and fuels shall only be stored at appropriately bunded locations at the facility.

5.2.4 All waste accepted at the facility shall fulfil the waste acceptance criteria as required by Condition 5.2.2.

5.2.5 No hazardous waste may be accepted at the Hazardous Waste Transfer Station unless:

a) The licensee has been notified in advance of the types of waste (including EWC Codes) and the date of delivery;

b) The waste has been appropriately labelled using the relevant EWC Codes;

c) An effective procedure for accepting and handling the waste is in place and satisfactory staff training in the implementation of that procedure has been undertaken;

d) The waste has been classified in accordance with the UN publication *"Recommendations on the Transport of Hazardous Goods: Model Regulations"* as amended and fully characterised. Where necessary, and particularly in the case of new customers or waste types, its characteristics and hazardous properties have been confirmed by the licensee by sampling and analysis in advance of arrival at the facility;

e) A suitable designated storage area is immediately available at the Hazardous Waste Transfer Station; and

f) A designated waste quarantine area is immediately available at the facility for any waste which does not conform with the pre-notification and which cannot be otherwise accepted at the facility.

5.2.6 Each load of waste arriving at the facility shall be inspected at the point of entry to the facility and subject to this inspection, weighed, documented and directed to the Drum Recovery Centre, Hydrocarbon Waste Treatment Centre or Hazardous Waste Transfer Station. Only after such inspections shall the waste be processed for disposal or recovery.

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

5.2.8 A record of all inspections of incoming waste loads shall be maintained.

5.2.9 Waste shall be accepted at the facility only from known customers or new customers subject to initial waste profiling and waste characterisation off-site. The written records of this off-site waste profiling and characterisation shall be retained by the licensee for all active customers and for a two year period following termination of licensee/customer agreements.

5.2.10 Prior to the acceptance of any waste at the facility, the licensee shall submit to the Agency for its agreement a site-specific tracking system to cater for all materials being accepted at the facility. Any modifications to the tracking system shall be agreed in advance with the Agency.

5.3 Labelling of containers, drums and tanks.

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

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

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

5.4 Operational Controls

5.4.1 No waste shall have a retention time at the facility in excess of six months, unless otherwise agreed by the Agency.

5.4.2 The floor of the Drum Recovery Centre, Hydrocarbon Waste Treatment Centre and Hazardous waste transfer building shall be washed down and cleared of all waste on a regular basis or at such intervals as agreed by the Agency.

5.4.3 Scavenging shall not be permitted at the facility.

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

5.4.5 The licensee shall take precautions to prevent accidental ignition or reaction of ignitable or reactive wastes. The waste shall be separated and protected from sources

of ignition or reaction including but not limited to: open flames, smoking, cutting and welding, hot surfaces, frictional heat, sparks (static, electrical or mechanical), spontaneous ignition (e.g. heat-producing chemical reactions) and radiant heat.

5.5 Waste Repackaging

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

5.5.2 All operations involving the transfer of contents referred to in Condition 5.5.1 shall take place indoors, protected against spillage, in a designated area to be agreed with the Agency. Appropriate control measures shall be put in place to minimise any emissions which may arise from such activity.

5.6 Waste and Chemical Storage Tracking System

5.6.1 Within two months from the date of grant of the licence, an electronic waste and chemical storage tracking system shall be established and maintained.

5.6.2 The waste storage tracking system shall illustrate the location, identification code, volume and content of all waste containers held at the facility. The chemical storage tracking system shall illustrate the location, volume and content of all chemical containers whose volume exceeds 25 litres held at the facility.

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

5.7 Blending/Mixing/Bulking of hazardous wastes

5.7.1 No blending, mixing or bulking up shall be carried out at the Hazardous Waste Transfer Building prior to approval from the Agency. Blending, mixing or bulking up of hazardous solid or liquid waste shall only be carried out in the decant room.

5.7.2 The compatibility of wastes to be bulked-up shall be established prior to such bulking-up taking place. The procedures to be in place under Condition 5.2.2 shall consider any compatibility testing that may be required, including, as far as is possible, the identification of any potentially abnormal or unusual situations.

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

5.8 Processing of Photographic Waste

5.8.1 No photographic waste shall be processed at the facility prior to approval from the Agency. Processing of photographic waste shall only be carried out in the Hazardous Waste Transfer Station.

5.9 Processing of hydrocarbon waste

5.9.1 The processing of hydrocarbon waste at the Hydrocarbon Waste Treatment Centre shall be carried out as described in Section 3.3.2 *Hydrocarbon Waste Treatment Centre* of the EIS submitted with the application and shown on Fig. 3.3 *Hydrocarbon Waste Treatment Centre Process Flow Diagram* submitted as part of the Article 16 reply received 10/5/04, unless otherwise agreed by the Agency.

5.9.2 The heating of waste oils will be carried out at the appropriate temperature so as to avoid their combustion. A safety cut off temperature detection unit shall be installed on

the oil heating tanks and calibrated annually. A calibration certificate shall be submitted as part of the AER.

5.10 Off-site Disposal and Recovery

5.10.1 All waste transferred from the facility shall be transferred by an authorised or exempted carrier, and only to an appropriate facility agreed by the Agency. Any request for agreement of such a facility shall be forwarded to the Agency at least two weeks in advance of its proposed use and shall include the following;

(i) A copy of the waste permit or waste licence where applicable.

(ii) The waste types and quantities.

5.11 Wastewater Management

5.11.1 Wastewater treatment at the Hydrocarbon Waste Treatment Centre shall be carried out as described in Section 3.3.2 *Hydrocarbon Waste Treatment Centre* of the EIS submitted with the application, unless otherwise agreed by the Agency.

5.11.2 Discharge of wastewater from the Hydrocarbon Waste Treatment Centre to the wastewater drainage network shall cease in the event of breakdown of the on-site wastewater treatment system and the wastewater shall be tankered off-site in fully enclosed road tankers to an agreed Wastewater Treatment Plant or other authorised facility to be agreed by the Agency and disposed of there.

5.11.3 Wastewater stored in the on-site storage tanks and/or wastewater unsuitable for discharge to sewer shall be tankered off-site in fully enclosed road tankers to an authorised facility to be agreed by the Agency and disposed of there.

5.12 Maintenance

5.12.1 All treatment/abatement and emission control equipment shall be calibrated and maintained, in accordance with the instructions issued by the manufacturer/supplier or installer. Written records of the calibrations and maintenance shall be made and kept by the licensee.

5.12.2 The vehicle wash shall be inspected on a daily basis and drained as required. Silt, stones and other accumulated material shall be removed as required from the wheel-wash and disposed of appropriately.

5.12.3 The licensee shall maintain all waste processing equipment and infrastructure in accordance with the manufacturers instructions.

5.13 Resource Use and Energy Efficiency

5.13.1 The licensee shall carry out an audit of the energy efficiency of the site within one year of the date of grant of this licence. The licensee shall consult with the Agency on the nature and extent of the audit and shall develop an audit programme to the satisfaction of the Agency. The audit programme shall be submitted to the Agency in writing at least one month before the audit is to be carried out. A copy of the audit report shall be available on-site for inspection by authorised persons of the Agency and a summary of the audit findings shall be submitted as part of the Annual Environmental Report. The energy efficiency audit shall be repeated at intervals as required by the Agency.

5.13.2 The audit shall identify all opportunities for energy use reduction and efficiency and the recommendations of the audit will be incorporated into the Schedule of Environmental Objectives and Targets under Condition 2 above.

5.13.3 The licensee shall identify opportunities for reduction in the quantity of water used on site including recycling and reuse initiatives, wherever possible. Reductions in water usage shall be incorporated into Schedule of Environmental Objectives and Targets.

5.13.4 The licensee shall undertake an assessment of the efficiency of use of raw materials in all processes, having particular regard to the reduction in waste generated. The assessment should take account of best international practice for this type of activity.. Where improvements are identified, these shall be incorporated into the Schedule of Environmental Objectives and Targets.

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

CONDITION 6 EMISSIONS

6.1. No specified emission from the facility shall exceed the emission limit values set out in *Schedule C: Emission Limits* of this licence. There shall be no other emissions of environmental significance.

6.2. The licensee shall ensure that the activities shall be carried out in a manner such that emissions do not result in significant impairment of, or significant interference with the environment beyond the facility boundary.

6.3. Emissions to Atmosphere

6.3.1. Emission limits for emissions to atmosphere in this licence shall be interpreted in the following way.

6.3.1.1. Non-Continuous Monitoring

(i) For any parameter where, due to sampling/analytical limitations, a 30 minute sample is inappropriate, a suitable sampling period should be employed and the value obtained therein shall not exceed the emission limit value.

(ii) For all other parameters, no 30 minute mean value shall exceed the emission limit value.

(iii) For flow, no hourly or daily mean value shall exceed the emission limit value.

(iv) Mass flow thresholds refer to a rate of discharge expressed in units of kg/h, above which the concentration emission limit value applies. Mass flow threshold rates shall be determined on the basis of a single 30 minute measurement (i.e. the concentration determined as a 30 minute average shall be multiplied by an appropriate measurement of flow and the result shall be expressed in units of kg/h).

(v) Mass flow shall be calculated on the basis of the concentration, determined as an average over the specified period, multiplied by an appropriate measurement of flow. No value, so determined, shall exceed the mass flow limit value.

(vi) At emission points A2 and A3, and where annual solvent usage is greater than 5 tonnes, the average of all the readings shall not exceed the emission limit value and no hourly average value shall exceed 1.5 times the emission limit.

At least three readings shall be obtained in each monitoring exercise.

6.3.2 The concentration limits for emission to atmosphere specified in this licence shall be achieved without the introduction of dilution air and shall be based on gas volumes under standard conditions of:

Temperature 273K, pressure 101.3kPa (no correction for oxygen or water content).

6.3.3 Emissions to atmosphere shall only be made at locations A1, A2 and A3 as illustrated on Drawing No. 1102/02/334 *Additional Monitoring Points* submitted as part of the Article 14 reply received 24/12/03, unless otherwise agreed by the Agency.

6.3.4 Fugitive emissions to air of volatile organic compounds shall not exceed the following limits:

(i) 20% of total solvent input where solvent consumption is greater than 15 tonnes per year.

(ii) 25% of total solvent input where solvent consumption is less than 15 tonnes per year.

6.3.5 The licensee shall prepare a solvent management plan (SMP) in accordance with any relevant guidelines in Schedule 6 of S.I. No. 543 of 2002 (Emissions of VOCs from Organic Solvent Regulations 2002) or as may be issued by the Agency from time to time. The solvent management plan shall be used to demonstrate compliance with the fugitive emission limit value. The SMP shall be submitted as part of the AER.

6.4. Emissions to Surface Water

6.4.1. No wastewater and/or contaminated surface water run-off shall be discharged to surface water drains and courses.

6.4.2. No substance shall be discharged in a manner, or at a concentration which, following initial dilution causes tainting of fish or shellfish.

6.5. There shall be no direct emissions to groundwater.

6.6. There shall be no clearly audible tonal component or impulsive component in the noise emissions from the activity at the noise sensitive locations.

6.7. Emissions to Sewer.

6.7.1. Unless otherwise agreed in advance by the Agency and the Sanitary Authority, the following shall apply for the discharge of wastewater and contaminated surface water run-off. There shall be no other discharge or emission to sewer of environmental significance.

6.7.1.1. No material from the drains in the Drum Recovery Centre and the Hazardous Waste Transfer Station shall be discharged to the foul sewer without the consent of the Agency and Sanitary Authority.

6.7.1.2. No substance shall be present in emissions to sewer in such concentrations as would constitute a danger to sewer maintenance personnel working in the sewerage system, or as would be damaging to the fabric of the sewer, or as would interfere with the biological functioning of a downstream wastewater treatment works.

6.7.1.3. The wastewater and contaminated surface water run-off discharged to sewer shall be screened prior to discharge to remove gross solids and avoid blockages in the sewer.

6.7.1.4. The licensee shall permit authorised persons of the Agency and the Sanitary Authority to inspect, examine and test, at all reasonable times, any works and apparatus installed, in connection with the discharge or emission, and to take samples of the discharge or emission.

6.7.1.5. No discharge or emission to sewer shall take place which might give rise to any reaction within the sewer or to the liberation of by-products which may be of environmental significance.

6.7.1.6. Materials classifiable as 'Hazardous Wastes' under the Waste Management Acts 1996 to 2003, shall not be discharged to the foul sewer.

6.7.1.7. The licensee shall ensure that the discharge shall not contain dissolved methane, petroleum spirits or organic solvents (including chlorinated organic solvents), at concentrations which would give rise to flammable or explosive vapours in the sewer.

6.7.1.8. Non-trade effluent wastewater (e.g. firewater, accidental spillage) which occurs on-site shall not be discharged to the sewer without the prior authorisation of the Sanitary Authority.

6.7.1.9. The licensee shall provide and maintain an inspection chamber in a suitable position in connection with each pipe through which a discharge or emission is being made. Each such inspection chamber or manhole shall be constructed and maintained by the licensee so as to permit the taking of samples of the discharge.

6.7.1.10. The licensee shall submit monitoring results to the Sanitary Authority on an annual basis.

6.7.1.11. The method of calculating the volumes of trade effluent discharges shall be as agreed with the Sanitary Authority.

6.8. Emission limit values for emissions to sewer in this licence shall be interpreted in the following way:-

a) Continuous monitoring.

No flow value shall exceed the specified limit.

b) Non-Continuous monitoring.

Eight out of ten consecutive results, calculated as daily mean concentration or mass emission values on the basis of flow proportional composite sampling shall not exceed 1.2 times the emission limit value.

c) No grab sample shall exceed 1.2 times the emission limit value.

REASON: *To control emissions from the facility and provide for the protection of the environment and to provide for the requirements of the Sanitary Authority in accordance with Section 52 of the Waste Management Acts 1996 to 2003.*

CONDITION 7 NUISANCE CONTROL

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

7.2 The road network in the vicinity of the facility shall be kept free from any debris caused by vehicles entering or leaving the facility. Any such debris or deposited materials shall be removed without delay.

7.3 Litter Control

7.3.1 All loose litter or other waste, placed on or in the vicinity of the facility, other than in accordance with the requirements of this licences, shall be removed, subject to the agreement of the landowners, immediately and in any event by 10.00am of the next working day after such waste is discovered.

7.3.2 The licensee shall ensure that all vehicles delivering waste to and removing waste and materials from the facility are appropriately covered.

7.4 Dust/Odour Control

7.4.1 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.

7.4.2 Prior to the date of commencement of the waste activities at the facility, the licensee shall install and provide adequate measures for the control of odours and dust emissions, including fugitive dust emissions, from the facility. Such measures shall at a minimum include the following:-

7.4.2.1 Dust curtains shall be maintained on the entry/exit points from the waste facility buildings, all other doors in this building shall be kept closed where possible.

7.4.2.2 Installation of an odour management system.

7.4.2.3 Provision of 100% duty capacity and 50% stand by capacity, back ups and spares must be provided for the air handling, ventilation and abatement plant.

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

CONDITION 8 MONITORING

8.1. The licensee shall carry out such monitoring and at such locations and frequencies as set out in *Schedule D: Monitoring* of this licence. Unless otherwise specified by this licence, all environmental monitoring shall commence no later than two months after the commencement of waste acceptance at the facility.

8.2. The licensee shall amend the frequency, locations, methods and scope of monitoring as required by this licence only upon the written instruction of the Agency and shall provide such information concerning such amendments as may be requested in writing by the Agency. Such alterations shall be carried out within any timescale nominated by the Agency.

8.3. Monitoring and analysis equipment shall be operated and maintained in accordance with the manufacturers' instructions (if any) so that all monitoring results accurately reflect any emission, discharge or environmental parameter.

8.4. The licensee shall provide safe and permanent access to all on-site sampling and monitoring points and to off-site points as required by the Agency.

8.5. The licensee shall maintain all sampling and monitoring points, and clearly label and name all sampling and monitoring locations, so that they may be used for representative sampling and monitoring.

8.6. Within three months of the date of grant of this licence, the licensee shall submit to the Agency an appropriately scaled drawing(s) showing all the monitoring locations that are stipulated in

this licence including any noise sensitive locations to be monitored. The drawing(s) shall include the eight-digit national grid reference of each monitoring point.

8.7. The licensee shall install on all emission points such sampling points or equipment, including any data-logging or other electronic communication equipment, as may be required by the Agency. All such equipment shall be consistent with the safe operation of all sampling and monitoring systems.

8.8. Within one month of the date of grant of this licence, the following information shall be submitted to the Agency for its agreement: the names, qualifications and a summary of relevant experience of all persons that will carry out all sampling and monitoring as required by this licence and who carry out the interpretation of the results of such sampling and monitoring. Any proposed changes to the above shall be submitted in writing to the Agency for its agreement.

8.9. All automatic monitors and samplers shall be functioning at all times (except during maintenance and calibration) when the activity is being carried on, unless alternative sampling or monitoring has been agreed, in writing, by the Agency for a limited period. In the event of the malfunction of any continuous monitor, the licensee shall contact the Agency as soon as practicable, and alternative sampling and monitoring facilities shall be put in place. Prior written agreement for the use of alternative equipment, other than in emergency situations, shall be obtained from the Agency.

8.10. Biological Assessment

8.10.1. A biological assessment of the River Griffeen at the northern boundary of the facility shall be undertaken within six months of the date of commencement of waste acceptance at the facility and as may be required thereafter. This assessment shall use appropriate biological methods such as the EPA Q-rating system for the assessment of rivers and streams. The location of monitoring points shall be agreed by the Agency.

8.11. Archaeological Assessment

8.11.1. Prior to the development of any undisturbed area, the advice of The Heritage Section of the Department of the Environment, Heritage and Local Government (formerly Dúchas) shall be sought. On completion of such development a report of the results of any archaeological monitoring shall be submitted to The Development Applications Section and to the Agency.

8.12. Nuisance Monitoring

8.12.1. The licensee shall, at a minimum of one week intervals, inspect the facility and its immediate surrounds for nuisances caused by litter, mud, dust and odours.

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

CONDITION 9 CONTINGENCY ARRANGEMENTS

9.1. In the event of an incident the licensee shall immediately:-

a) identify the date, time and place of the incident;

b) carry out an immediate investigation to identify the nature, source and cause of the incident and any emission arising therefrom;

c) isolate the source of any such emission;

d) evaluate the environmental pollution, if any, caused by the incident;

e) identify and execute measures to minimise the emissions/malfunction and the effects thereof;

f) provide a proposal to the Agency for its agreement within one month of the incident occurring to:-

i) identify and put in place measures to avoid reoccurrence of the incident; and

ii) identify and put in place any other appropriate remedial action.

9.2. The licensee shall, prior to commencement of waste acceptance at the facility, submit a written Emergency Response Procedure (ERP) to the Agency for its agreement. The ERP shall address any emergency situations which may originate on the facility and shall include provision for minimising the effects of any emergency on the environment. This shall include a risk assessment to determine the requirements at the facility for fire fighting and fire water retention facilities. The Fire Authority shall be consulted by the licensee during this assessment.

9.3. The licensee shall have in storage an adequate supply of containment booms and/or suitable absorbent material to contain and absorb any spillage at the facility. Once used the absorbent material shall be disposed of at an appropriate facility.

9.4. Emergencies

9.4.1. In the event of a complete breakdown of equipment or any other occurrence which results in the closure of the facility, any waste arriving at or already collected at the facility shall be transferred directly to an appropriate licensed facility until such time as the facility is returned to a fully operational status. Such a breakdown event will be treated as an emergency and rectified as soon as possible.

9.4.2. All significant spillages occurring at the facility shall be treated as an emergency and immediately cleaned up and dealt with so as to alleviate their effects.

9.4.3. No waste shall be burnt within the boundaries of the facility. A fire at the facility shall be treated as an emergency and immediate action shall be taken to extinguish it and notify the appropriate authorities.

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

CONDITION 10 RECORDS

10.1 The licensee shall keep the following documents at the facility office:-

a) the current waste licence and specified attachments/drawings relating to the facility;

b) the current EMS for the facility;

c) the previous year's AER for the facility; and

d) all written procedures produced by the licensee which relate to the licensed activities.

10.2 The licensee shall maintain a record for each load of waste arriving at and departing from the facility. The licensee shall record the following:-

a) the date;

b) the name of the carrier (including if appropriate, the waste collection permit details);

c) the vehicle registration number;

d) the name of the producer(s)/collector(s) of the waste as appropriate;

e) the name of the waste facility (if appropriate) from which the load originated including the waste licence or waste permit register number;

f) a description of the waste including the associated EWC codes;

g) the quantity of the waste, recorded in tonnes;

h) the name of the person checking the load;

i) 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 including the waste licence and waste permit register number of these facilities as appropriate; and

j) where applicable a consignment note number (including transfrontier shipment notification and movement/tracking form numbers, as appropriate).

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

a) the types and quantities of waste recovered at the facility each year. These records shall include the relevant EWC Codes and any details required to complete national reports on waste statistics;

b) all training undertaken by facility staff;

c) results from all integrity tests of bunds and other structures and any maintenance or remedial work arising from them;

d) details of all nuisance inspections; and

e) the names and qualifications of all persons who carry out all sampling and monitoring as required by this licence and who carry out the interpretation of the results of such sampling and monitoring.

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

a) date and time of the complaint;

b) the name of the complainant;

c) details of the nature of the complaint;

d) actions taken on foot of the complaint and the results of such actions; and,

e) the response made to each complainant.

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

a) the name of the carrier;

b) the date and time of removal of wastewater from the facility;

c) the volume of wastewater, in cubic metres, removed from the facility on each occasion;

d) the name and address of the Waste Water Treatment Plant or other authorised facility agreed by the Agency to which the wastewater was transported; and

e) any incidents or spillages of wastewater during its removal or transportation.

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

CONDITION 11 REPORTS AND NOTIFICATIONS

11.1 No alteration to, or reconstruction in respect of, the activity or any part thereof which would, or is likely to, result in:

a) A material change or increase in:

- The nature or quantity of any emission;
- The abatement/treatment or recovery systems;
- The range of processes to be carried out;
- The fuels, raw materials, products or wastes to be generated or accepted, or

b) Any changes in:

- The site management and control with adverse environmental significance,

shall be carried out or commenced without prior notice to, and without the prior written agreement of, the Agency.

11.2 Unless otherwise agreed by the Agency, all reports and notifications submitted to the Agency shall:-

a) be sent to the Agency's Dublin Regional Inspectorate, McCumiskey House, Richview, Clonskeagh Road, Dublin 14;

b) comprise one original and two copies unless additional copies are required;

c) be formatted in accordance with any written instruction or guidance issued by the Agency;

d) include whatever information as is specified in writing by the Agency;

e) be identified by a unique code, indicate any modification or amendment, and be correctly dated to reflect any such modification or amendment;

f) be submitted in accordance to the relevant reporting frequencies specified by this licence, such as in *Schedule E: Recording and Reporting to the Agency* of this licence;

g) be accompanied by a written interpretation setting out their significance in the case of all monitoring data; and

h) be transferred electronically to the Agency's computer system if required by the Agency.

11.3 In the event of an incident occurring on the facility, the licensee shall:-

a) notify the Agency as soon as practicable and in any case not later than 10.00 am the following working day after the occurrence of any incident;

b) submit a written record of the incident, including all aspects described in Condition 9.1(a-e), to the Agency as soon as practicable and in any case within five working days after the occurrence of any incident;

c) In the event of any incident which relates to discharges to sewer, having taken place, the licensee shall notify the Local and Sanitary Authority as soon as practicable, after such an incident and in any case not later than 10:00am on the following working day after such an incident;

d) In the case of any incident which relates to discharges to water, the licensee shall notify the Local Authority and the Eastern Regional Fisheries Board as soon as practicable after

such an incident and in any case not later than 10:00am on the following working day after such an incident; and

e) Should any further actions be taken as a result of an incident occurring, the licensee shall forward a written report of those actions to the Agency as soon as practicable and no later than ten days after the initiation of those actions.

11.4 Annual Environmental Report

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

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

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

CONDITION 12 CHARGES AND FINANCIAL PROVISIONS

12.1 Agency Charges

12.1.1 The licensee shall pay to the Agency an annual contribution of €18,389, or such sum as the Agency from time to time determines, having regard to variations in the extent of reporting, auditing, inspection, sampling and analysis or other functions carried out by the Agency, towards the cost of monitoring the activity as the Agency considers necessary for the performance of its functions under the Waste Management Acts 1996 to 2003. The first payment shall be a pro-rata amount for the period from the date of this licence to the 31st day of December, and shall be paid to the Agency within one month from the date of the licence. In subsequent years the licensee shall pay to the Agency such revised annual contribution as the Agency shall from time to time consider necessary to enable performance by the Agency of its relevant functions under the Waste Management Acts 1996 to 2003, and all such payments shall be made within one month of the date upon which demanded by the Agency.

12.1.2 In the event that the frequency or extent of monitoring or other functions carried out by the Agency needs to be increased the licensee shall contribute such sums as determined by the Agency to defraying its costs in regard to items not covered by the said annual contribution.

12.2 Financial Provision for Closure, Restoration and Aftercare

12.2.1 The licensee shall arrange for the completion of a comprehensive and fully costed Environmental Liabilities Risk Assessment for the facility which will address liabilities arising from the carrying on of the activities to which this licence relates. A report on this assessment shall be submitted to the Agency for its agreement within six months of date of grant of this licence.

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

12.2.3 The amount of financial provision, held under Condition 12.2.2 shall be reviewed and revised as necessary, but at least annually. Any proposal for such a revision shall be submitted to the Agency for its agreement.

12.2.4 The licensee shall within two weeks of purchase, renewal or revision of the financial provision required under Condition 12.2.2, forward to the Agency written proof of such indemnity.

12.2.5 Unless otherwise agreed any revision to the fund shall be computed using the following formula:

Cost = (ECOST x WPI) + CiCC

Where:

Cost	=	Revised restoration and aftercare cost.
ECOST	=	Existing restoration and aftercare cost.
WPI	=	Appropriate Wholesale Price Index [Capital Goods, Building & Construction (i.e. Materials & Wages) Index], as published by the Central Statistics Office, for the year since last closure calculation/revision.
CiCC	=	Change in compliance costs as a result of change in site conditions, changes in law, regulations, regulatory authority charges, or other significant changes.

12.3 Sanitary Authority Charges.

12.3.1 The licensee shall pay to the Sanitary Authority a quarterly charge of €1.70 per cubic metre of trade effluent discharged to the foul sewer or such sum as may be determined from time to time, having regard to the variations in the cost of providing drainage and the variation in effluent reception and treatment costs. This amount shall be paid to the Sanitary Authority within one month of the date of grant of this licence and annually thereafter within one month of the date of notification by the Sanitary Authority of the updated annual amount.

12.3.2 The licensee shall pay to the Sanitary Authority an annual charge of €1,725.00, or such sum as may be determined from time to time, towards the cost of monitoring the discharge of trade effluent. This amount shall be paid to the Sanitary Authority within one month of the date of grant of this licence and annually thereafter within one month of the date of of notification by the Sanitary Authority of the updated annual amount.

REASON: *To provide for adequate financing for monitoring and financial provisions for measures to protect the environment and to provide for the requirements of the Sanitary Authority in accordance with Section 52 of the Waste Management Acts 1996 to 2003.*

SCHEDULE A : Waste Acceptance

A.1 Waste Acceptance

Table A.1 Waste Categories and Quantities

WASTE TYPE	MAXIMUM (TONNES PER ANNUM)[Note 1]
Commercial Waste	500
Construction and Demolition Waste	500
Industrial Sludges	1,000
Other Industrial Waste	3,000
Hazardous Waste [Note 2]	57,500
TOTAL	62,500

Note 1: The quantities of the individual waste types may be adjusted, only with the agreement of the Agency, subject to the total annual waste quantity remaining the same.

Note 2: Hazardous waste types as listed in Table E.2.2 *Hazardous waste Types and Quantities* of the application, or as may otherwise be agreed in writing.

SCHEDULE B : Specified Engineering Works

Specified Engineering Works
Installation of drainage network including silt traps and oil interceptors.
Installation of secondary containment system with leak detection to underground settlement tanks
Installation of decant room at Hazardous Waste Transfer Station
Installation of photographic waste treatment unit at Hazardous Waste Transfer Station
Development of the facility including installation of waste handling, processing, recycling/recovery infrastructure and installation of increased waste processing capacity.
Any other works notified in writing by the Agency.

SCHEDULE C : Emission Limits

C.1 Noise Emissions Arising from the Activity: (Measured at **any noise sensitive locations**).

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

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

Level (mg/m^2 /day)[Note 1]
350

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

C.3 Emissions to Atmosphere

Emission point:	*A1*	*A2*	*A3*
Volume to be emitted:			
Maximum in any one day	44,982 m^3	1224 m^3	21,420 m^3
Maximum per hour:	5,292 m^3	144 m^3	2,520 m^3

Minimum discharge height: 13.7m

C3.1 Emission limit values for emissions to air at emission point A1

Parameter	Emission Limit Value
T.A. Luft Organics Class 1	20 mg/m^3 (for mass emissions > 100 g/h of these compounds)
Total Organic Carbon (as C)	1 kg/hour

C.3.2 Emission limit values for emissions to air at emission point A2

Parameter	Emission Limit Value [Note 1]
T.A. Luft Organics Class 1	20 mg/m^3 (for mass emissions > 100 g/h of these compounds)
Total Organic Carbon (as C)	0.1 kg/h [Note 2]
	100 mg/m^3 [Note 3]
	75 mg/m^3 [Note 4]

Note 1: The emission limit value to be applied will be determined by the annual solvent use in the previous calendar year.
Note 2: Where annual solvent usage is less than 5 tonnes per annum.
Note 3: Where annual solvent usage is 5-15 tonnes per annum.
Note 4: Where annual solvent usage is above 15 tonnes per annum.

C.3.3 Emission limit values for emissions to air at emission point A3

Parameter	Emission Limit Value [Note 1]
T.A. Luft Organics Class 1	20 mg/m^3 (for mass emissions > 100 g/h of these compounds)
Total Organic Carbon (as C)	0.3 kg/h [Note 2]
	100 mg/m^3 [Note 3]
	50 mg/m^3 [Note 4]

Note 1: The emission limit value to be applied will be determined by the annual solvent use in the previous calendar year.
Note 2: Where annual solvent usage is less than 5 tonnes per annum.
Note 3: Where annual solvent usage is 5-15 tonnes per annum.

Note 4: Where annual solvent usage is above 15 tonnes per annum.

C.4 Surface Water Discharge Limits: (Measured at the **surface water** monitoring point **SW3**).

Parameter	Emission Limit Value
Mineral oils	5mg/l Note 1 100mg/l Note 2
Suspended Solids	35 mg/l Note 1

Note 1: for discharges from Class I interceptor to receiving water
Note 2: for discharges from Class II interceptor to sewer

C.5 Emission Limits for Wastewater Emissions to Sewer

Emission Point Reference No. EFF2
Volume to be emitted: Maximum in any one day: 200 m^3
Maximum rate per hour: 50 m^3/hr

Parameter	Emission Limit Value		
	Grab Sample (mg/l)	Daily Mean Concentration (mg/l)	Daily Mean Loading (kg/day)
BOD	1000	800	160
COD	3000	2400	480
Mineral Oils	10	10	2
Suspended solids	500	400	80
Sulphates (as SO_4)	1000	1000	200
pH	6 – 10		
Temperature	42ºC		
Detergents (as MBAS)	100	100	20
Toluene	1	1	0.2
o/m/p Xylenes	1	1	0.2
Zinc	5	5	1
Copper	5	5	1

SCHEDULE D : Monitoring

Monitoring to be carried out as specified below.

D.1 Monitoring Locations

Monitoring locations shall be those as set out in Table D.1.1and shown on Drawing No. 1102/02/304 *Field Monitoring Points* of the application, unless otherwise indicated or agreed by the Agency.

Table D.1.1 Monitoring Locations

Ground Water	Surface Water	Wastewater	Air	Dust Deposition	Noise
Stations	**Stations**	**Stations** Note 3	**Stations** Note 3	**Stations**	**Stations**
BH1	SW1	EFF2	A1	D1	N1
BH2	SW2		A2	D2	N2
BH3	SW3 Note 1		A3	D3	N3
	KS1 Note 2			D4	N4
	KS2 Note 2				Any noise sensitive locations

Note 1: The location of the final discharge monitoring point SW3 is to be agreed by the Agency.
Note 2: The monitoring locations KS1 and KS2 are only to be used for biological assessment in accordance with Condition 8.10.
Note 3: The locations of the wastewater monitoring point and air monitoring points are shown on Drawing No. 1102/02/334 *Additional Monitoring Points* of the Article 14 reply received 24/12/03.

D.2 Dust

Table D.2.1 Dust Monitoring Frequency and Technique

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

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

D.3 Noise

Table D.3.1 Noise Monitoring Frequency and Technique

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

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

D.4 Emissions to Air

Table D.4.1 Air emission monitoring Frequency and Technique

Parameter	Monitoring Frequency	Analysis Method/Technique
T.A. Luft Organics Class 1	annually [Note 1]	Adsorption/GC-MS or other method to be agreed by the Agency.
Total organic carbon (as C)	bi-annually [Note 1]	Adsorption/GC-MS or other method to be agreed by the Agency.
Characterisation of the VOC emission	annually [Note 1]	Adsorption/GC-MS or other method to be agreed by the Agency.

Note 1: Monitoring must occur during periods of maximum discharge. Production records should be available to demonstrate that gas sampling took place during periods of maximum loading.

D.5 Surface Water Emissions

Table D.5.1 Surface water Monitoring Frequency and Techniques

Parameter	Monitoring Frequency	Analysis Method/Technique
Visual Inspection [Note 1]	Daily	Standard Methods [Note 2]
pH	Quarterly	Electrometry
Chemical Oxygen Demand	Quarterly	Standard Methods [Note 2]
Suspended Solids	Quarterly	Standard Methods [Note 2]
Mineral Oils	Quarterly	Standard Methods [Note 3]

Note 1: The visual inspection to be carried out at the final discharge surface water monitoring location SW3.

Note 2: "Standards Methods for the Examination of Water and Wastewater", (prepared and published jointly by A.P.H.A., A.W.W.A & W.E.F) 20th Ed., American Public Health Association, 1015 Fifteenth Street, Washington DC 20005, USA.

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

D.6 Wastewater Emissions

Table D.6.1 Wastewater Monitoring Frequency and Techniques

Parameter	Monitoring Frequency	Analysis Method/Technique
Flow to sewer	Continuous	
Biological Oxygen Demand	Monthly	Standard Methods [Note 1, Note 2]
Chemical Oxygen Demand	Monthly	Standard Methods [Note 1, Note 2]
Mineral Oils	Monthly	Standard Methods [Note 1, Note 3]
Suspended Solids	Monthly	Standard Methods [Note 1, Note 2]
Sulphates (as SO_4)	Monthly	Standard Methods [Note 1, Note 2]
Temperature	Monthly	Temperature probe [Note 3]
pH	Monthly	Electrometry [Note 3]
Toluene	Monthly	Standard Methods [Note 1, Note 3]
Detergents (as MBAS)	Monthly	Standard Methods [Note 1, Note 3]
o/m/p Xylenes	Monthly	Standard Methods [Note 1, Note 3]
Zinc	Monthly	Standard Methods [Note 1, Note 2]
Copper	Monthly	Standard Methods [Note 1, Note 2]
Metals Screen [Note 4]	Quarterly	ICP

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

Note 2: Sampling by 24-hour composite.

Note 3: Sampling by grab.

Note 4: Metals to be screened for to be agreed by the Agency in advance.

D.7 Groundwater

Table D 7.1 Groundwater - Parameters /Frequency

PARAMETER [Note 1]	MONITORING FREQUENCY
Visual Inspection/Odour [Note 2]	Monthly
Groundwater Level [Note 3]	Monthly
Dissolved Oxygen [Note 3]	Annually
Electrical Conductivity [Note 3]	Monthly
pH [Note 3]	Monthly
Temperature [Note 3]	Monthly
Total Alkalinity	Annually
Metals / non metals [Note 4]	Annually
Sulphate	Annually
Cyanide (Total)	Annually
Chloride	Annually
List I/II organic substances [Note 5]	Quarterly
Mineral Oil [Note 5]	Quarterly
BTEX [Note 5]	Quarterly
Arsenic	Quarterly
Mercury	Quarterly

Note 1: All the analysis shall be carried out by a competent laboratory using standard and internationally accepted procedures.
Note 2: Where there is evident gross contamination of groundwater, additional samples should be analysed.
Note 3: These parameters should be measured on-site with a portable electronic meter.
Note 4: Metals and elements to be analysed by AA/ICP should include as a minimum: boron, cadmium, calcium, chromium (total), copper, iron, lead, magnesium, manganese, nickel, potassium, sodium and zinc.
Note 5: Samples screened for the presence of organic compounds using Gas Chromatography / Mass Spectrometry (GC/MS) or other appropriate techniques and using the list I/II Substances from EU Directive 76/464/EEC and 80/68/EEC as a guideline. Recommended analytical techniques include: volatiles (US Environmental Protection Agency method 524 or equivalent), semi-volatiles (USEPA method 525 or equivalent, and pesticides (USEPA method 608 or equivalent).

SCHEDULE E : Recording and Reporting to the Agency

Recurring Reports

Report	Reporting Frequency Note1	Report Submission Date
Environmental Management System Updates	Annually	As part of the AER.
Annual Environment Report (AER)	Annually	By 31st March of each calendar year.
Record of incidents	As they occur	Within five days of the incident.
Bund, tank and container integrity assessment	Every three years	Six months from the date of grant of licence and one month after end of the three year period being reported on as part of the AER.
Specified Engineering Works reports	As they arise	Prior to the works commencing.
Monitoring of Surface Water Quality	Quarterly	Ten days after end of the quarter being reported on.
Monitoring of Groundwater Quality	Quarterly	Ten days after end of the quarter being reported on.
Monitoring of Wastewater	Quarterly	Ten days after end of the quarter being reported on.
Monitoring of Air Emissions	Bi-annually	Ten days after the period reported on.
Dust Monitoring	Three times a year	Submit as part of the AER.
Noise Monitoring	Annually	Submit as part of the AER.
Biological Monitoring	Annually	Six months from the date of grant of licence and thereafter as may be required as part of the AER.
Any other monitoring	As they occur	Within ten days of obtaining results.

Note 1: Unless altered at the request of the Agency

SCHEDULE F : Content of the Annual Environmental Report

Annual Environmental Report Content [Note 1]
Reporting Period.
Waste activities carried out at the facility.
Quantity and Composition of waste recovered, received and disposed of during the reporting period and each previous year (relevant EWC codes to be used).
Summary report on emissions.
Summary of results and interpretations of environmental monitoring, including a location plan of all monitoring locations.
Validation of air emission model using actual monitoring results from first year of operation of the facility.
Resource and energy consumption summary.
Development / Infrastructural works in place and planned, to process waste quantities projected for the following year (including plant operating capacity, provision of adequate standby capacity and provision of contingency, backup and spares in the case of breakdown).
Environmental Management System updates.
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.
Calibration certificate on oil heating temperature cut off detection unit.
Boiler efficiency test results.
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.
Solvent Management Plan.
Waste Recovery Report.
Report on training of staff.
Volume of wastewater produced and volume of wastewater transported off-site.
Any other items specified by the Agency.

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

Sealed by the seal of the Agency on this the 2nd day of December, 2004

PRESENT when the seal of the Agency was affixed hereto:

Padraic Larkin, Authorised Person