This licence was amended on 7 January 2014 under Section 76A(11) of the Waste Management Act 1996, as amended. The details of the Amendment must be read in conjunction with this licence. The Amendment document is entitled "IE Amendment".

This licence was amended on 31 March 2022 under Section 96(1)(c) of the Environmental Protection Agency Act 1992, as amended. The details of Amendment A must be read in conjunction with this licence. The amendment document is entitled "Technical Amendment A."

This licence was amended on 25th September 2024 under Section 96(1)(c) of the Environmental Protection Agency Act 1992, as amended. The amendment document is entitled "Technical Amendment B." The details of Amendment B must be read in conjunction with this licence.

Environmental Protection Agency
An Ghníomhaireacht um Chaomhnú Comhshaoil

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

WASTE LICENCE
TRANSFER STATION

Waste Licence Register Number: 36-2

Licensee: Indaver Ireland Limited

Location of Facility: Tolka Quay Road
Dublin Port
Dublin 1

INTRODUCTION

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

Indaver Ireland Limited currently operate a Hazardous Waste Transfer Station at its custom-built facility at Tolka Quay Road, Dublin Port, Dublin 1. The company exports hazardous waste from Ireland to Britain and other European countries for recovery, disposal or treatment. Some of the wastes exported are of variable calorific value and the only option is disposal. Phase 1 of the proposed expansion of the facility will involve construction of a waste solvent blending module, to allow wastes of different calorific value to be blended to achieve an optimum value. The blended waste can then be used as a fuel. Phase 2 of expansion will involve the construction of a warehouse for paper/magazine storage prior to recovery.

Under the review, the total waste intake will be limited to 50,000 tpa (i.e. increased from 22,710 tpa). Approximately 38,000 tpa will comprise of hazardous waste, of which 20,000 tpa will be directed to the proposed Solvent Blending Plant. Of the remaining 12,000 tpa of non-hazardous waste to be accepted, 10,000 tpa will comprise of newspaper and magazines. Hazardous waste types will consist mainly of pharmaceutical wastes with, *inter alia,* inorganic chemical wastes, meat and bone meal, contaminated rubble and soil, bagged asbestos, photographic waste and cytotoxic waste.

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

The licence sets out in detail the conditions under which Indaver Ireland Limited will operate and manage this facility.

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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.

Aerosol	A suspension of solid or liquid particles in a gaseous medium.
Adequate lighting	20 lux measured at ground level.
AER	Annual Environmental Report.
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 review application.
Application	The application by the licensee for this waste licence review.
Appropriate facility	A waste management facility, duly authorised under relevant law and technically suitable.
BAT	Best Available Techniques.
Biennially	Once every two years.
Biodegradable waste	Any waste that is capable of undergoing anaerobic or aerobic decomposition, such as food, garden waste, sewage sludge, paper and paperboard.
BOD	5 day Biochemical Oxygen Demand.
CEN	Comité Européen De Normalisation – European Committee for Standardisation.
COD	Chemical Oxygen demand.
Condition	A condition of this licence.
Consignment Note	All movements of hazardous waste within Ireland must be accompanied by a "C1" consignment note issued by a local authority under the Waste Management (Movement of Hazardous Waste) Regulations (SI No. 147 of 1998). Transfrontier shipment notification and movement/tracking form numbers are required for all exports of waste from, into or through the state under the Waste Management (Transfrontier Shipment of Waste) Regulations (SI No. 149 of 1998).
Construction and Demolition Waste	Wastes that arise from construction, renovation and demolition activities: Chapter 17 of the EWC or as otherwise may be agreed.
Containment boom	A boom, which can contain spillages and prevent them from entering drains or watercourses.
Daytime	0800hrs to 2200hrs.
dB(A)	Decibels (A weighted).
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 waste licence review application, unless otherwise specified in this licence.
EIS	Environmental Impact Statement.
Emergency	Those occurrences defined in Condition 10.4.
Emission Limits	Those limits, including concentration limits and deposition rates established in *Schedule C: Emission Limits,* of this licence.
EMP	Environmental Management Programme.
EPA Working Day	Refers to the following hours: 0900hrs to 1730hrs Monday to Friday inclusive.
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.
Facility	Any site or premises used for the purposes of the recovery or disposal of waste.
Fortnightly	A minimum of 24 times per year, at approximately two-week intervals.
Heavy Metals	This term is to be interpreted as set out in "Parameters of Water Quality, Interpretation and Standards" published by the Agency in 2001. ISBN 1-84095-015-3.
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. Different activities within the facility may have different hours of waste acceptance.
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.
Installation	A stationary technical unit or plant where the activity concerned referred to in the First Schedule of EPA Acts 1992 and 2003 is or will be carried on, and shall be deemed to include any directly associated activity, which has a technical connection with the activity and is carried out on the site of the activity.
IPPC	Integrated Pollution Prevention & Control.
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.
Leq	Equivalent continuous sound level.
Licence	A Waste Licence issued in accordance with the Acts.
Licensee	Indaver Ireland Limited.
Liquid Waste	Any waste in liquid form and containing less than 2% dry matter.
List I	As listed in the EC Directives 76/464/EEC and 80/68/EEC and amendments.
List II	As listed in the EC Directives 76/464/EEC and 80/68/EEC and amendments.
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	2200hrs to 0800hrs.
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.
Regional Fisheries Board	Eastern Regional Fisheries Board.
Quarterly	At approximately three monthly intervals.
Sanitary Authority	Dublin City Council.
Sample(s)	Unless the context of this licence indicates to the contrary, samples shall include measurements by electronic instruments.
Sludge	The accumulation of solids resulting from chemical coagulation, flocculation and/or sedimentation after water or wastewater treatment, with greater than 2% dry matter.
SOP	Standard Operating Procedure.
Specified Emissions	Those emissions listed in *Schedule C: Emission Limits* of this licence.
Specified Engineering Works	Those engineering works listed in *Schedule B: Specified Engineering Works,* of this licence.

Standard Method	A National, European or internationally recognised procedure (e.g. I.S. EN, ISO, CEN, BS or equivalent), as an in-house documented procedure based on the above references, a procedure as detailed in the current edition of "Standard Methods for the Examination of Water and Wastewater", (prepared and published jointly by A.P.H.A., A.W.W.A & W.E.F), American Public Health Association, 1015 Fifteenth Street, N.W., Washington DC 20005, USA; or, an alternative method as may be agreed by the Agency.
Storm Water	Rain water run-off from roof and non-process areas.
The Agency	Environmental Protection Agency.
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.

DECISION & REASONS FOR THE DECISION

Reasons for the Decision

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

In reaching this decision the Environmental Protection Agency has considered the application and supporting documentation received from the applicant, all submissions and an objection received and the reports of its inspectors.

Part I 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 46(2) of the said Act hereby grants this Waste Licence to Indaver Ireland Limited to carry on the waste activities listed below at Tolka Quay Road, Dublin Port, Dublin 1, 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 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 1.	**Solvent reclamation or regeneration.**
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 CONDITIONS

CONDITION 1 SCOPE OF THE LICENCE

1.1. Waste activities at the facility shall be restricted to those listed and described in *Part I: Schedule of Activities Licensed* and as set out in the licence application and 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. 11037\CD\022 Rev. A, *Site Plan,* Attachment B.2 of the application. Any reference in this licence to "facility" shall mean the area thus outlined in red. The licensed activities shall be carried on only within the area outlined.

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: Limitations,* of this licence shall be accepted at the facility.

1.5 Waste may be accepted at the facility on a twenty-four hour basis.

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

1.7 This licence is being granted in substitution for the waste licence granted to the licensee on 26th February 1999 and bearing Waste Licence Register No: 36-1. The previous waste licence (Register No: 36-1) is superseded by 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 facility manager with experience commensurate with the expertise required 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 or as otherwise required by the Agency.

2.1.2 Both the facility manager and deputy, and any replacement manager or deputy, shall successfully complete both the FÁS 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

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 maintain an EMS. The EMS shall be updated on an annual basis with amendments being submitted to the Agency for its agreement.

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

2.3.2.1 Schedule of Environmental Objectives and Targets

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

2.3.2.2 Environmental Management Plan (EMP)

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

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

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

2.3.2.3 Corrective Action Procedures

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

2.3.2.4 Awareness and Training Programme

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

2.4 Communications Programme

The licensee shall 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.

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 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 During the construction phases the licensee shall ensure that the mitigation measures proposed in Section 11.7 of the Environmental Impact Statement, including good

construction practices, are employed to minimise the risk of soil, groundwater and surface water contamination.

3.2.4 Following the completion of all specified engineering works, the licensee shall complete a construction quality assurance validation. The validation report shall be made available to the Agency on request. The report shall include the following information:-

a) a description of the works;
b) as-built drawings of the works;
c) records and results of all tests carried out (including failures);
d) 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 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 Security and stockproof fencing and gates shall be maintained as described in Attachment D.1.a of the application and Drawing No. 11037\CD\002 Rev. B, *Existing Site Plan*. The remotely operated security barrier shall be maintained at the location shown on Drawing No. 11037\CD\004A, Rev. A. *Proposed Layout (Phase 1).* 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 Unless otherwise agreed by the Agency, security shall include a CCTV surveillance system.

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

3.5 Facility Roads and Hardstanding

3.5.1 The licensee shall provide, and maintain an impermeable hardstanding surface in all vehicle movement, waste movement and storage areas, and general circulation areas of the facility as shown in Drawing No. 11037\CD\004A, Rev.A, *Proposed Layout (Phase 1).* The floor of the buildings and hardstanding areas at the facility shall be concreted and constructed to British Standard 8110, or an alternative as agreed by the Agency. Bunded areas of the loading/unloading area and the solvent tank farm shall be constructed in accordance with BS 8007 (Aqueous Liquid concrete retaining structures).

3.5.2 All hardstanding surfaces and bunded areas shall be rendered impervious to the materials stored therein.

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 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 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 The Waste Inspection Area, as specified in Drawing No. 11037\CD\004A Rev. A, shall be provided and maintained at the facility.

3.7.2 The Waste Quarantine Areas, as specified in Attachment D.1.h for packaged waste (Repackaging Room, Drawing No. 11037\CD\004A, Rev. A) and tankers (Tanker loading/unloading bay, Drawing No. 11037\CD\010, Rev. D), shall be provided and maintained at the facility. Subject to appropriate spillage collection, the licensee may identify additional quarantine areas, subject to agreement of the Agency.

3.7.3 The existing waste quarantine areas shall be maintained until such time as the requirements of Condition 3.7.2 have been complied with to the satisfaction of the Agency.

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

3.7.5 The waste quarantine areas shall be secured, bunded and surfaced to deal with spillages, unless otherwise agreed by the Agency.

3.7.6 Drainage from quarantine/bunded areas, tanker loading/unloading area and the tank farm bund, unless otherwise agreed by the Agency, shall be collected separately and tested for contamination by analysis detailed in Schedule C.2, prior to release to the storm water drainage system. Contaminated storm water shall be sent off-site for recovery/disposal.

3.8 Weighbridge

3.8.1 The licensee shall maintain a "weigh unit" for weighing individual drums and packages.

3.8.2 The weights of all bulk tanker loads shall be obtained from a certified weighbridge facility. All weight records shall be maintained on-site for Agency inspection.

3.9 Waste Handling and Air Abatement Plant

Items of plant deemed critical to the efficient transfer and storage of waste and abatement of emissions at the facility 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.

3.10 Tank and Drum Storage Areas

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

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

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

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

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

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

3.10.5 The integrity and water tightness of all the bunding structures and their resistance to penetration by water or other materials stored therein shall be tested and demonstrated by the licensee at least once every three years. New bunding structures and their resistance to penetration by water or other materials stored therein shall be tested and demonstrated by the licensee prior to use and thereafter at least once every three years. This testing shall be carried out in accordance with any guidance published by the Agency.

3.10.6 All 200 litre drums shall be stored on pallets or shelves and shall be no more than three high with each drum being easily accessible.

3.10.7 The storage areas for toxic, corrosive and flammable hazardous waste materials shall be roofed. Dangerous when wet substances shall not be stored in the same building compartment or outdoor storage compound as flammable substances. These waste types shall be separated from each other by imperforate compartment walls, of at least 30 minutes fire resistance and sufficiently durable to withstand normal wear and tear. Brick or concrete construction is recommended with separate bunding.

3.10.8 Oxidising hazardous wastes, organic peroxides, spontaneously combustible wastes and flammable gases shall be stored outside of this roofed area. Each of these waste types shall be contained in individually bunded and covered units, appropriately separated from each other and other buildings, in accordance with the Health and Safety Publication '*Chemical warehousing – The storage of packaged dangerous substances. HSGr 71, HSE Books, 1998 (2nd Edition)*'. The licensee shall maintain on-site a site layout plan showing the location of all storage areas.

3.10.9 Asbestos shall be stored only in locked containers. The licensee shall ensure that all asbestos received at the facility shall be contained in plastic bags or, where the asbestos is mixed with other waste that might puncture plastic bags, rigid containers. Where plastic bags are used, the asbestos shall be double bagged. The inner bag shall be coloured red and the outer bag shall be transparent. All bags and containers used shall be securely sealed and marked to clearly indicate their contents.

3.11 Silt Traps and Oil Separators/Interceptors

The licensee shall install, as necessary, and maintain silt traps and oil interceptors at the facility to ensure that all surface water discharges from the facility pass through a silt trap and oil interceptor prior to discharge. The interceptors shall be a Class I full retention interceptors. The silt traps and interceptors shall be in accordance with I.S. EN 858-2:2003 (separator systems for light liquids). Each interceptor shall be fitted with an emergency oil level warning device.

3.12 Drainage system, pipeline testing

3.12.1 Within three months from 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 facility operation, and any identification designated in this licence (e.g. SM1) shall be inscribed on these manholes.

3.12.2 The sumps, gullies, discharge points, bunds, silt traps and oil interceptors 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 record shall be kept of the inspections, desludging, cleaning, disposal of associated waste products, maintenance and performance of the interceptors, bunds and drains.

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

3.12.4 The drum store area, tank farm and loading/unloading areas, shown in Drawing No. 11037\CD\016, Rev. B, entitled *'Proposed Drainage Layout,'* shall drain only to the sumps shown thereon.

3.13 All pump sumps, storage tanks or other treatment plant chambers from which spillage of environmentally significant materials might occur in such quantities as are likely to breach local or

remote containment or separator, shall be fitted with high liquid level alarms (or oil detectors as appropriate) within nine months from the date of grant of this licence.

3.14 Monitoring Infrastructure

3.14.1 Groundwater

(i) All wellheads, whose locations are shown in Drawing No. 11037\CD\019, Rev. B, shall be adequately sealed to prevent surface contamination or physical damage within four months from the date of grant of this licence (if required).

(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

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 DECOMMISSIONING

4.1 Following termination, or planned cessation for a period greater than six months, of use or involvement of all or part of the site in the licensed activity, the licensee shall, to the satisfaction of the Agency, decommission, render safe or remove for disposal/recovery, any soil, subsoils, buildings, plant or equipment, or any waste, materials or substances or other matter contained therein or thereon, that may result in environmental pollution.

4.2 Residuals Management Plan:

4.2.1 The licensee shall prepare, to the satisfaction of the Agency, a fully detailed and costed plan for the decommissioning or closure of the site or part thereof. This plan shall be submitted to the Agency for agreement within six months of the date of grant of this licence.

4.2.2 The plan shall be reviewed annually and proposed amendments thereto notified to the Agency for agreement as part of the AER. No amendments may be implemented without the agreement of the Agency.

4.3 The Residuals Management Plan shall include as a minimum, the following:-

4.3.1 A scope statement for the plan.

4.3.2 The criteria which define the successful decommissioning of the activity or part thereof, which ensures minimum impact on the environment.

4.3.3 A programme to achieve the stated criteria.

4.3.4 Where relevant, a test programme to demonstrate the successful implementation of the decommissioning plan.

4.3.5 Details of costings for the plan and a statement as to how these costs will be underwritten.

4.4 A final validation report to include a certificate of completion for the residuals management plan, for all or part of the site as necessary, shall be submitted to the Agency within three months of execution of the plan. The licensee shall carry out such tests, investigations or submit certification, as requested by the Agency, to confirm that there is no continuing risk to the environment.

REASON: *To make provision for the proper closure of the activity ensuring protection of the environment.*

CONDITION 5 FACILITY OPERATIONS

5.1 Waste Repackaging

5.1.1 All waste repackaging, shall be carried out inside the waste repackaging room, unless otherwise agreed by the Agency under Condition 5.1.2. Drummed/packaged waste shall be stored in designated area of the waste storage buildings on-site. Bulk tankers shall be parked in designated parking spaces on-site.

5.1.2 The licensee shall identify the circumstances where waste may be required to be repackaged outside of the repackaging room. The circumstances must be agreed by the Agency prior to repackaging taking place.

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 The procedures for waste acceptance and handling shall be as detailed in Attachment E.3.2 of the waste licence review application or as otherwise agreed by the Agency, and shall meet any applicable requirements of EU Council Decision 2003/33/EC (criteria and procedures for the acceptance of waste at landfills).

5.2.3 Waste arriving at the facility shall be inspected immediately upon arrival on site at the inspection area (as detailed in drawing 11037/CD/004A, Revision A) and subject to this inspection, documented and directed to the Waste Storage Building or tank farm. Only after such inspections shall the waste be unloaded and put in storage awaiting disposal or recovery. Individual drummed/packaged waste shall be weighed on-site prior to storage. Bulk waste shall be weighed at a certified weighbridge facility prior to entry on-site.

5.2.4 Any waste deemed unsuitable for storage/transfer 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.

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

5.2.6 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.

5.3 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 the label.

5.3.2 All containers, (including drums and tanks), 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 containers shall be uniquely marked using indelible or other permanent markings to clearly indicated their contents. All previous/irrelevant markings or labels shall be removed or obliterated.

5.4 Operational Controls

5.4.1 The floor of the waste transfer building shall be cleared of all waste at the end of the working day.

5.4.2 Scavenging shall not be permitted at the facility.

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

5.4.4 Fuels shall be stored only at appropriately bunded locations on the facility.

5.5 Waste Repackaging

5.5.1 All containers accepted at the facility shall be whole and sound. Any leaking or otherwise ruptured containers shall immediately be over-drummed or the contents transferred to a sound container in a manner which will not adversely affect the environment. This activity shall only be carried out in the repackaging room 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. During repackaging operations the licensee shall operate the air extraction unit from the repackaging room. The air extracted shall be passed through a carbon filter, or other agreed treatment system. Appropriate control measures shall be put in place to minimise fugitive emissions that may arise from such activity.

5.6 Waste Storage Tracking System

5.6.1 The licensee shall maintain an electronic waste storage tracking system.

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.

5.6.3 The waste storage tracking system shall be updated within 24 hours of waste arriving at the site or prior to the end of the next working day, and shall be verified as updated by an authorised person or nominated deputy as identified under Condition 2.1.1.

5.7 Blending of Waste Solvents

Waste solvents can only be blended provided that the following criteria are met:

5.7.1 Prior to the operation of the Solvent Blending Plant, the licensee shall establish and maintain detailed written procedures and criteria for the acceptance, storage, handling, sampling and blending of wastes to include compatibility testing, in-house mixture testing, analysis, documentation, loading/unloading, transfer and record keeping.

5.7.2 Waste solvents shall be transferred only from road tankers, via dry-link couplers, to bulk storage tanks. The transfer of solvent from drums to the bulk storage tanks shall only be undertaken subject to prior written agreement of the Agency.

5.7.3 Suitable emission abatement equipment, such as activated carbon, shall be installed at the tank farm ventilation system, prior to commissioning of the Blending Plant.

5.7.4 During all solvent transfer operations, referred to in Condition 5.7.2, the licensee shall operate the ventilation system for the tank farm. The air extracted shall be passed through a carbon filter, or other agreed treatment system. Appropriate control measures shall be put in place to minimise fugitive emissions that may arise from such activity.

5.8 Off-site Disposal and Recovery

5.8.1 Waste sent off-site for recovery or disposal shall be transported only by an authorised waste contractor. The waste shall be transported only from the site of the activity to the site of recovery/disposal in a manner which will not adversely affect the environment and in accordance with the appropriate National and European legislation and protocols.

5.8.2 All waste transferred from the facility shall be transferred only to an appropriate facility agreed by the Agency.

5.9 Bulk Tanker Cleaning

5.9.1 The licensee shall not carry out a bulk tanker cleaning operation without the agreement of the Agency.

5.9.2 Subject to Condition 5.9.1 the licensee shall:

(i) establish a procedure for the tanker cleaning operation. This shall be submitted to the Agency for agreement prior to any such operations being undertaken;

(ii) use the tanker cleaning equipment solely for the purposes of washing bulk tankers that have unloaded at the blending facility. It shall not be operated as a commercial cleaning service; and

(iii) undertake all tanker cleaning within the bunded tanker loading/unloading area, identified in Drawing No. 11037\CD\016, Rev. B.

5.9.3 No washwater from the tanker cleaning operation shall be discharged to surface/sewer water. All such water not re-used in the tanker cleaning operation shall be diverted to the bulk solvent storage tank or shall be collected separately for appropriate disposal or recovery off-site.

5.10 Newspaper/Magazine Warehouse

The following features shall be implemented on development of the newspaper/magazine warehouse:

(i) All newspaper/magazine collection vehicles shall be closed/covered;

(ii) All loading/unloading operations shall be carried out inside the warehouse;

(iii) The floor of the warehouse shall be kept clean.

5.11 Maintenance

5.11.1 All treatment/abatement, control and monitoring equipment shall be calibrated and maintained, in accordance with the instructions supplied by the manufacturer/supplier or installer or as otherwise approved by the Agency under the EMP. Written records of the calibrations shall be made and kept by the licensee. Treatment abatement shall be tested at least monthly to confirm that it is operating adequately and that the activated carbon, if used, is not exhausted.

5.11.2 The licensee shall maintain and clearly label and name all sampling and monitoring locations.

***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 including odours do not result in significant impairment of, and/or significant interference with amenities or the environment beyond the facility boundary.

6.3 There shall be no direct emissions to surface water.

6.4 There shall be no direct emissions to groundwater.

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

6.6 No foul water shall be discharged to surface water. Domestic sanitary effluent shall be discharged to the public foul sewer on Tolka Quay Road.

6.7 Emissions to Surface Water Sewer

6.7.1 Unless otherwise agreed in advance by the Agency and the Sanitary Authority, the following shall apply for the discharge of surface water, which shall discharge via surface water pipe to the Dublin Port & Docks Board (DPDB) surface water sewer indicated on Drawing No. 14006/CD/002, Rev. E *(Additional information submitted 05/07/'04 in response to Art. 14(2)(b)(ii) Notice).* There shall be no other discharge or emission to sewer of environmental significance.

6.7.2 The trigger/action levels for surface water discharges from the facility measured at monitoring point SM1 (storm water monitoring weir) shall be agreed in accordance with Condition 9.3. Following a three month period of Total Organic Carbon (TOC), pH and conductivity monitoring, the results shall be submitted to the Sanitary Authority and the Agency to establish trigger and action levels appropriate for these parameters.

Direct discharge shall not commence until these values are agreed by the Sanitary Authority and the Agency and notified to the licensee.

6.7.3 No substance shall be present in emissions to surface water 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.

6.7.4 The licensee shall provide safe and permanent access to the final effluent as discharged to the surface water sewer.

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

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

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

6.7.8 Non-trade effluent wastewater, (e.g. firewater, accidental spillage), which occurs on-site shall not be discharged to the surface water sewer without the prior authorisation of the Sanitary Authority. The Agency shall be notified of such an event.

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

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

6.7.11 The acute toxicity of the undiluted discharge to at least two aquatic species from different trophic levels shall be determined by standardised and internationally accepted procedures and carried out by a competent laboratory. The name of the laboratory and the scope of testing to be undertaken shall be submitted, in writing, to the Agency, within three months of the date of grant of this licence. Once the testing laboratory and the scope of testing have been agreed by the Agency, the Agency shall decide when this testing is to be carried out and copies of all reports shall be submitted by the licensee to the Agency within six weeks of completion of testing.

6.7.12 Subsequent compliance toxicity monitoring on two aquatic species shall be carried out by the laboratory identified in Condition 6.7.11 above, as per *Schedule D: Monitoring* of this licence. The Agency shall decide when this testing is to be carried out and copies of all reports shall be submitted by the testing laboratory simultaneously to the Agency and the licensee.

6.7.13 Surface water effluent shall be screened prior to discharge to remove gross solids and avoid blockages in the surface water sewer.

6.7.14 Any surface water from bunded waste storage areas shall be collected in a sump. This water may be discharged to surface water sewer following discrete sampling and analysis, if it does not exceed emission limit values specified in *Schedule C.2 Emission Limits for Storm Water Collected in Bunds to Surface Water Sewer*, of this licence.

6.7.15 A record or log book of cleaning, maintenance and performance of each sump and storage tank shall be made available for inspection at all times by officials from the Sanitary Authority.

6.8 Emission limit values for emissions to surface water sewer in this licence shall be interpreted as follows:-

6.8.1 Continuous monitoring:

(i) No pH value shall deviate from the specified range.

(ii) No temperature value shall exceed the limit value.

(iii) No TOC or Conductivity value shall exceed the Action Levels determined under Condition 6.7.2.

6.8.2 Composite Sampling:

(i) No pH value shall deviate from the specified range.

(ii) For parameters other than pH and flow, eight out of ten consecutive composite results, based on flow proportional composite sampling, shall not exceed the emission limit value. No individual result similarly calculated shall exceed 1.2 times the emission limit value.

6.8.3 Discrete Sampling:

For parameters other than pH and temperature, no grab sample value shall exceed 1.2 times the emission limit value.

REASON: *To provide for the protection of the environment by way of control and limitation of emissions and to provide for the requirements of the Sanitary Authority in accordance with Section 99E of the EPA Acts 1992 and 2003.*

CONDITION 7 NUISANCE CONTROL

7.1 The licensee shall ensure that vermin, birds, flies, 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 The measures and infrastructure as described in Attachment F5 of the application shall be applied to control litter at the facility.

7.3.2 All loose litter or other waste, placed on or in the vicinity of the facility, other than in accordance with the requirements of this licence, shall be removed, subject to the agreement of the landowners, immediately and in any event by 1000hrs of the next working day after such waste is discovered.

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

7.4 Dust/Odour Control

7.4.1 All odorous waste for recovery/disposal stored overnight at the facility, shall be stored in suitably covered and enclosed containers within the designated storage bays on-site and shall be removed from the facility within forty eight hours of its arrival at the facility, or as otherwise agreed by the Agency.

7.4.2 A Dust Minimisation Plan shall be prepared for the construction phases of the project. It shall be monitored by the construction manager and reviewed for effectiveness. This shall include procedures in relation to controlling dust from site road, vehicles and materials as outlined in Section 7.8.1. of the EIS submitted with the waste licence review application. A copy of the plan shall be maintained on site for inspection by the Agency.

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

CONDITION 8 RESOURCE USE AND ENERGY EFFICIENCY

8.1 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 audit shall be carried out in accordance with the guidance published by the Agency, "Guidance Note on Energy Efficiency Auditing". The energy efficiency audit shall be repeated at intervals as required by the Agency.

8.2 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.

8.3 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.

8.4 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 the efficient use of resources and energy in all site operations.*

CONDITION 9 MONITORING

9.1 The licensee shall carry out such sampling, analyses, measurements, examinations, maintenance and calibrations as set out below and as in accordance with *Schedule D: Monitoring* of this licence. Unless otherwise specified by this licence, all environmental monitoring shall commence from the date of grant of this licence.

9.1.1 Analysis shall be undertaken by competent staff in accordance with documented operating procedures.

9.1.2 Such procedures shall be assessed for their suitability for the test matrix and performance characteristics determined.

9.1.3 Such procedures shall be subject to a programme of Analytical Quality Control using control standards with evaluation of test responses.

9.1.4 Where analysis is sub-contracted it shall be to a competent laboratory.

9.2 Monitoring of discharge to surface water sewer shall be carried out at location marked *'Location of proposed storm water monitoring chamber'*, Drawing No. 11037\CD\016, Rev. B, when emissions are taking place.

9.3 The licensee shall prior to the direct discharge of storm water from the facility, submit proposals for the setting of trigger and action levels for pH, TOC and conductivity for storm water emissions to the surface water sewer, as per Condition 6.7.2. The proposal shall include details of the response programme when such levels are reached.

9.4 The frequency, methods and scope of monitoring, sampling and analyses, as set out in this licence may be amended with the agreement of the Agency following evaluation of test results.

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

9.6 Monitoring of Surface Water Discharge

9.6.1 The licensee shall install pH, conductivity and TOC meters in the proposed storm water monitoring chamber identified in Drawing No. 11037\CD\016, Rev. B. In the event that contaminated surface water is detected (as determined under Condition 9.3) an

automatic shut-off valve shall activate and prevent discharge. Flow shall be diverted to the Storm Water Retention Tank pending investigation of the source of the incident.

9.6.2 Surface water run-off from the facility following such an incident shall be characterised by discrete sampling and may only be discharged where the quality is below the action levels established under Condition 9.3.

9.6.3 The licensee shall perform and record daily visual checks of all valve orientations, oil levels, tank and surface water sewer discharges.

9.7 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.

9.8 The licensee shall provide safe and permanent access to all sampling and monitoring points and as required by the Agency.

9.9 The licensee shall install a new groundwater monitoring borehole, at a location to be agreed by the Agency, in the event that one of the existing boreholes (MW1) needs to be relocated to accommodate the extension of the Administration building. The existing borehole shall be backfilled to the satisfaction of the Agency. The same monitoring regime will apply to the new borehole, as outlined in *Schedule D: Monitoring* of this licence.

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

9.11 Sampling equipment shall be operated and maintained such that sufficient sample is collected to meet both internal monitoring requirements and those of the Agency. A separate composite sample or homogeneous sub-sample (of sufficient volume as advised) should be refrigerated immediately after collection and retained as required for Agency use.

9.12 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.

9.13 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 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. Agreement for the use of alternative equipment, other than in emergency situations, shall be obtained from the Agency.

9.14 Noise Monitoring

The licensee shall carry out noise monitoring at the locations set out in *Schedule D: Monitoring* of this licence.

9.15 Groundwater Monitoring

Groundwater monitoring shall be undertaken as set out in *Schedule D: Monitoring* of this licence.

9.16 Emissions to Atmosphere & Air Quality Monitoring

Emissions to Atmosphere & Air Quality Monitoring shall be undertaken as set out in *Schedule D: Monitoring* of this licence.

9.17 Nuisance Monitoring

The licensee shall, at a minimum of one-week intervals, inspect the facility and its immediate surrounds for nuisances caused by litter, vermin, birds, flies, mud, dust and odours. Written records shall be made of such inspections and any actions taken as a result of these inspections.

REASON: *To provide for the protection of the environment by way of treatment and monitoring of emissions and to provide for the requirements of the Sanitary Authority in accordance with Section 99E of the EPA Acts 1992 and 2003.*

CONDITION 10 CONTINGENCY ARRANGEMENTS

10.1 In the event of an incident the licensee shall immediately:-

a) isolate the source of any such emission;

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

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

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

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

f) provide a proposal to the Agency for its agreement within one month of the incident occurring or as otherwise agreed by 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.

10.2 The licensee shall update and maintain the Emergency Response Procedure (ERP). 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 firewater retention facilities. The Fire Authority shall be consulted by the licensee during this assessment.

10.3 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.

10.4 Emergencies

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

10.4.2 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.

10.4.3 No waste shall be burned 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.

10.4.4 All liquid collected in sumps, other than the storm water monitoring chamber shall be deemed hazardous waste unless shown otherwise by analysis detailed in Schedule C.2. *Emission Limits for Storm Water Collected in Bunds to Surface Water Sewer,* of this licence. If deemed hazardous it shall be pumped into drums or other appropriate containers and disposed of, or recovered, accordingly.

10.5 The licensee shall, within six months of date of grant of this licence, ensure that a documented Accident Prevention Policy is in place which will address the hazards on-site, particularly in relation to the prevention of accidents with a possible impact on the environment. This procedure shall be reviewed annually and updated as necessary.

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

CONDITION 11 RECORDS

11.1 The licensee shall as a minimum keep the following documents at the site:-

(i) the licence(s) relating to the facility;

(ii) the current EMS for the facility;

(iii) the previous year's AER for the facility;

(iv) records of all sampling, analyses, measurements, examinations, calibrations and maintenance carried out in accordance with the requirements of this licence and all other such monitoring which relates to the environmental performance of the facility;

(v) an up- to-date drawing/plan showing the locations of key process and environmental infrastructure, including monitoring locations and emission points; and,

(vi) relevant correspondence with the Agency.

and this documentation shall be available to the Agency for inspection at all reasonable times.

11.2 The licensee shall maintain a record for each load of waste arriving at and departing from the facility. This record shall be open to inspection by authorised persons of the Agency at all times, it shall be maintained on a monthly basis and shall as a minimum contain details of the following:-

a) the date;

b) the names of the agent and carrier of the waste, and their waste collection permit details, if required (to include issuing authority and vehicle registration number);

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

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

e) a description of the waste including the associated EWC code;

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

g) the name of the person checking the load;

h) where loads or parts thereof 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 details and issuing authority of these facilities as appropriate;

i) details of the ultimate disposal/recovery destination facility for the waste and its appropriateness to accept the consigned waste stream, to include its permit/licence details and issuing authority, if applicable.

j) written confirmation of the acceptance and disposal/recovery of any hazardous waste consignments sent off-site;

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

l) details of any approved waste mixing.

11.3 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;

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.

11.4 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.

11.5 The licensee shall record all sampling, analyses, measurements, examinations, calibrations and maintenance carried out in accordance with the requirements of this licence and all other such monitoring which relates to the environmental performance of the facility.

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

a) the date and time during which spraying of insecticide is carried out;

b) contractor details;

c) contractor logs and site inspection reports;

d) details of the rodenticide(s) and insecticide(s) used;

e) operator training details;

f) details of any infestations;

g) mode, frequency, location and quantity of application; and,

h) measures to contain sprays within the facility boundary.

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

CONDITION 12 REPORTS AND NOTIFICATIONS

12.1 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 agreement of, the Agency.

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

a) be sent to the Agency's Office of Environmental Enforcement, 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.

12.3 The licensee shall notify the Agency by both telephone and either facsimile or electronic mail as soon as practicable after the occurrence of any of the following:-

12.3.1 Any release of environmental significance to atmosphere from any potential emission point including bypasses.

12.3.2 Any emission which does not comply with the requirements of this licence.

12.3.3 Any malfunction or breakdown of key control equipment or monitoring equipment set out in *Schedule D: Monitoring* of this licence, which is likely to lead to loss of control of the abatement system.

12.3.4 Any incident with the potential for environmental contamination of surface water or groundwater, or posing an environmental threat to air or land, or requiring an emergency response by the Local Authority.

The licensee shall include as part of the notification, date and time of the incident, summary details of the occurrence, and where available, the steps taken to minimise any emissions.

12.4 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 1000hrs the following working day after the occurrence of any incident;

b) submit a written record of the incident, including all aspects described in Condition 10.1(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 unauthorised discharges to surface water, notify the Sanitary Authority and the Eastern Regional Fisheries Board as soon as practicable and in any case not later than 1000hrs on the following working day after such an incident;

d) in the event of any incident which relates to unauthorised discharges to surface water sewer, notify the Sanitary Authority as soon as practicable and in any case not later than 1000hrs on the following working day after such an incident;

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.

12.5 The licensee shall notify the Agency and the Sanitary Authority as soon as practicable, after the occurrence of the following:-

12.5.1 Any incident with the potential for environmental contamination of surface water or groundwater, or posing a threat to land, or a Sanitary Authority sewer or personnel working in connection with a sewer, or requiring an emergency response by the local authority.

12.5.2 Any emission which relates to a discharge to sewer which does not comply with the requirements of the licence.

12.6 Waste Recovery Reports

Within twelve months of the date of grant of this licence, a report examining waste recovery options shall be submitted to the Agency for its agreement. This report shall address methods to contribute to the achievement of the recovery targets stated in national and European Union waste policies.

12.7 Vermin and Flies

Within three months of the date of this licence, the licensee shall submit to the Agency for its agreement a proposal for the control and eradication of vermin and fly infestations at the facility. This proposal should include as a minimum, operator training, details on the rodenticide(s) and insecticide(s) to be used, mode and frequency of application and measures to contain sprays within the facility boundary.

12.8 Monitoring Locations

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. The drawing(s) shall include the reference code of each monitoring point.

12.9 Annual Environmental Report

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

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

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

CONDITION 13 CHARGES AND FINANCIAL PROVISIONS

13.1 Agency Charges

13.1.1 The licensee shall pay to the Agency an annual contribution of € 14,960 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 of 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.

13.1.2 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.

13.2 Environmental Liabilities

13.2.2 The licensee shall as part of the AER provide an annual statement as to the measures taken or adopted at the site in relation to the prevention of environmental damage, and the measures in place in relation to the underwriting of costs for remedial actions following anticipated events or accidents/incidents, as may be associated with the carrying on of the activity.

13.2.2 The licensee shall arrange for the completion, by an independent and appropriately qualified consultant, of a comprehensive and fully costed Environmental Liabilities Risk Assessment (ELRA), which addresses the liabilities from past and present activities. The assessment shall include those liabilities and costs identified in Condition 4 for execution of the Residuals Management Plan. A report on this assessment shall be submitted to the Agency for agreement within twelve months of date of grant of this licence. The ELRA shall be reviewed as necessary to reflect any significant change on site, and in any case every three years following initial agreement: review results are to be notified as part of the AER.

13.2.2 As part of the measures identified in Condition 13.2.1, the licensee shall, to the satisfaction of the Agency, make financial provision to cover any liabilities identified in Condition 13.2.2. The amount of indemnity held shall be reviewed and revised as necessary, but at least annually. Proof of renewal or revision of such financial indemnity shall be included in the annual 'statement of measures' report identified in Condition 13.2.1.

13.3 Sanitary Authority Charges.

The licensee shall pay to the Sanitary Authority an annual charge of €1,524 for emissions to surface water sewer, or such sum as may be determined from time to time, having regard to increased costs in providing drainage and monitoring. 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.

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 99E of the EPA Acts 1992 and 2003.*

SCHEDULE A : Limitations

A.1 Limitations

The following waste related processes are authorised:

Storage of waste prior to disposal/recovery
Blending of solvents prior to disposal/recovery
Repackaging of waste

No additions to these processes are permitted unless agreed in advance by the Agency.

A.2 Waste Acceptance

Table A.2 Waste Categories and Quantities

WASTE CATEGORIES		**MAXIMUM (TONNES PER ANNUM)** Notes 1, 2
Hazardous Waste Total		**38,700** Note 3
Non-Hazardous Wastes	Household, commercial & non-hazardous industrial	10,700
	Healthcare/agricultural (non-infectious wastes and meat & bone meal)	500
	Non-hazardous sludges	100
Non- Hazardous Waste Total		**11,300**
TOTAL		**50,000**

Note 1: Any proposals to accept other compatible waste streams must be agreed in advance by the Agency and the total amount of waste must be within that specified.
Note 2: The individual limitation on waste streams may be varied with the agreement of the Agency subject to the overall total limit staying the same.
Note 3: The maximum quantity of waste solvents to be blended shall be 20,000 tonnes per annum, unless agreed in advance by the Agency.

SCHEDULE B : Specified Engineering Works

Specified Engineering Works
Installation of drainage network including silt traps and oil interceptors.
Installation of emission abatement at tank farm & repackaging room.
Installation of waste handling, processing, recycling/recovery infrastructure and installation of increased waste processing capacity.
Installation of bulk solvent storage facilities.
Installation of bulk tanker loading/unloading bays.
Any other works notified in writing by the Agency.

SCHEDULE C : Emission Limits

C.1 Emission Limits for Storm Water Emissions to Surface Water Sewer

Emission Point Reference No.: SM1 (monitoring weir)

SM2 (retention tank), when required under Condition 9.6.2

Emission to: Surface Water Sewer on Tolka Quay Road

Parameter	Emission Limit Value	
	Grab Sample (mg/l)	Daily Mean Concentration (mg/l)
BOD	20	10
COD	60	30
Suspended solids	30	25
Detergents (as MBAS)	10	10
Mineral Oils	10	10
pH	6-9	
Temperature	25 degrees centigrade	
Total Ammonium (as N)	2.0	2.0
Molybdate reactive Phosphate (PO_4 as P)	1.0	1.0
Benzene, Toluene and Xylene (combined)	0.1	0.1
Toxicity Units	-	10.0
Zinc	2.0	2.0
Copper	2.0	2.0
Lead	2.0	2.0
Chromium	2.0	2.0
Nickel	2.0	2.0

C.2 Emission Limits for Storm Water Collected in Bunds to Surface Water Sewer

Parameter	Emission Limit Value and Requirements
	Discrete Sample
pH	6-9
COD	60 mg/l
Conductivity	Below Action Level [Note 1]
Visual	Free of Oil and other Contaminants
Odour	Odourless - Free of Contaminant Odour

Note 1: *Action Level determined as detailed in Condition 6.7.2.*

SCHEDULE D : Monitoring

Monitoring to be carried out as specified below.

D.1 Monitoring Locations

Monitoring locations shall be those as set out in Tables D.1.1, D.1.2, D.1.3, D.1.4 & D.1.5 below.

Table D.1.1 Noise Monitoring Locations (Drawing No. 11037\CD\020, Rev. A)

Noise Monitoring Points	Easting	Northing
NM 1	319763	234966
NM 3	319670	235020
NM 4	319712	234988

Table D.1.2 Storm Water Emission to Surface Water Sewer Monitoring Locations (Drawing No. 11037\CD\020, Rev. A)

Monitoring Stations	Easting	Northing
SM1 (monitoring weir)	319749	234979
SM2 (retention tank)	319757	234976

Table D.1.3 Groundwater Monitoring Locations (Drawing No. 11037\CD\019, Rev. B)

Monitoring Stations	Easting	Northing
GM1 (groundwater)*	319721	234970
GM2 (groundwater)	319720	235030

***** Alternative location and Grid Reference to be confirmed if existing borehole as shown in Drawing No. 11037\CD\019, Rev. B is replaced to accommodate expansion of Administration Building, shown in Drawing No. 11037\CD\020, Rev. A .

Table D.1.4 Ambient Air Monitoring (Drawing No. 11037\CD\019, Rev. B)

Monitoring Stations	Easting	Northing
AS1	319763	234966
AS2	319704	235023

Table D.1.5 Emissions to Atmosphere Monitoring

Monitoring Stations	Location[Note 1]
A1 (Repackaging Room)	-
A2 (Tank Farm Vent)	-

Note 1: Monitoring locations to be agreed by the Agency, prior to commencement of Solvent Blending.

D.2 Monitoring Frequency &Technique

Monitoring frequencies shall be those as set out in Tables D.2.1, D.2.2, D.2.3, D.2.4 & D.2.5 below.

Table D.2.1 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."

Table D.2.2 Storm Water Emission to Surface Water Sewer Monitoring Frequency and Technique

Parameter	SM2	From Commencement of Continuous Discharge to Surface Water Sewer SM1		
	Monitoring Requirements	**Monitoring Frequency**	**Sampling Method/Type**	**Analysis Method/Technique**
pH	Prior to Discharge	Continuous (during flow)	Continuous	pH electrode/meter, with data logger Note 4
Temperature	Prior to Discharge	Continuous (during flow)	Continuous	Temperature probe with data logger Note 4
Biological Oxygen Demand	Prior to Discharge	Monthly	24-hour composite Note 3	Standard Method
Chemical Oxygen Demand	Prior to Discharge	Monthly	24-hour composite Note 3	Standard Method
Suspended Solids	Prior to Discharge	Monthly	24-hour composite Note 3	Standard Method
Mineral Oils	Prior to Discharge	Monthly	24-hour composite Note 3	Standard Method
Oils, Fats & Greases	Prior to Discharge	Monthly	24-hour composite Note 3	Standard Method
Detergents (as MBAS)	Prior to Discharge	Monthly	24-hour composite Note 3	Standard Method
Total Ammonium (as N)	Prior to Discharge	Monthly	24-hour composite Note 3	Standard Method
Molybdate Reactive Phosphate (PO_4 as P)	Prior to Discharge	Monthly	24-hour composite Note 3	Standard Method
Benzene, Toluene and Xylene (combined)	Prior to Discharge	Monthly	24-hour composite Note 3	Standard Method
List I/II organic substances Note 1	Prior to Discharge	Quarterly	24-hour composite Note 3	Gas Chromatography/Mass Spectrometry (GC/MS)
TOC	-	Continuous (during flow)	Continuous	On-line TOC meter with data logger Note 4
Conductivity (µS/sec)	-	Continuous (during flow)	Continuous	On-line conductivity meter with data logger Note 4
Toxicity Units	Quarterly Note 5	Quarterly	24-hour composite Note 3	As per Condition 6.7.12, and thereafter to be agreed by the Agency Note 2
Zinc	Prior to Discharge	Quarterly	24-hour composite Note 3	Atomic Absorption/ICP
Copper	Prior to Discharge	Quarterly	24-hour composite Note 3	Atomic Absorption/ICP
Lead	Prior to Discharge	Quarterly	24-hour composite Note 3	Atomic Absorption/ICP
Chromium	Prior to Discharge	Quarterly	24-hour composite Note 3	Atomic Absorption/ICP
Nickel	Prior to Discharge	Quarterly	24-hour composite Note 3	Atomic Absorption/ICP

Note 1: Samples screened for the presence of organic compounds using 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).

Note 2: The number of Toxic Units (Tu) = 100/x hour EC/LC_{50} in percentage vol/vol so that higher Tu values reflect greater levels of toxicity. For test regimes where species death is not easily detected, immobilisation is considered equivalent to death.

Note 3: The licensee shall install a composite sampler within three months of date of grant of this licence. All samples thereafter shall be collected on a 24-hour flow proportional composite sampling basis.

Note 4: Spares to be held on-site.

Note 5: Once continuous discharge has commenced the frequency of the toxicity monitoring from SM2 may be reduced subject to the prior agreement of the Agency.

Table D.2.3 Groundwater Monitoring Frequency and Technique

Parameter	Monitoring Frequency
pH	Quarterly
Conductivity	Quarterly
Iron	Quarterly
Manganese	Quarterly
Aluminium	Quarterly
Total Ammonia	Quarterly
Non-purgable organic Carbon	Quarterly
Heavy Metals	Quarterly
Volatile organic compounds	Quarterly
Semi-volatile organic compounds	Quarterly

Table D.2.4 Ambient Air Monitoring Frequency & Technique

Parameter	Monitoring Frequency	Analysis Method/Technique
Particulate Content (mg/m^3)	Annually/Quarterly [Note 1]	standard [Note 2]
Volatile Organic Compounds	Annually/Quarterly [Note 1]	standard [Note 2]

Note 1: Frequency of monitoring shall be increased to quarterly monitoring, for a period of at least twelve months, following commencement of Solvent Blending, or as otherwise agreed by the Agency.

Note 2: All analyses shall be carried out by a competent laboratory, using standard and internationally acceptable techniques. The testing laboratory and the testing technique shall be agreed by the Agency in advance.

Table D.2.5 Emissions to Atmosphere Monitoring Frequency & Technique

Parameter	Monitoring Frequency	Analysis Method/Technique
T.A. Luft Organics Class 1	Biannually [Note 1]	Adsorption/GC-MS or other method to be agreed by the Agency
Total Organic Compounds (as C)	Biannually [Note 1]	Adsorption/GC-MS or other method to be agreed by the Agency

Note 1: Monitoring must occur during periods of maximum emission.
Solvent transfer records should be available to demonstrate that sampling took place during periods of maximum emission.

SCHEDULE E : Recording and Reporting to the Agency

Recurring Reports

Report	Reporting Frequency [Note1]	Report Submission Date
Environmental Management System Updates	Annually	As part of the AER.
Annual Environment Report (AER)	Annually	By 31 March of each calendar year, commencing 2005.
Record of incidents	As they occur	Within five days of the incident.
Bund, tank and container integrity assessment	Every three years	Twelve months from the date of grant of licence and one month after end of the three year period being reported on.
Specified Engineering Works reports	As they arise	Prior to the works commencing.
Monitoring of Surface Water Runoff and 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.
Noise Monitoring	Annually	One month after end of the year being reported on.
Emissions to Atmosphere & Air Monitoring	Annually	One month after end of the year being reported on.
Any other monitoring	As they occur	Within ten days of obtaining results.

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

SCHEDULE F : Content of the Annual Environmental Report

Annual Environmental Report Content
Reporting Period.
Waste activities carried out at the facility.
Report on hazardous waste streams including the quantity and composition of waste accepted and exported from the facility during the reporting period and the EWC codes of such waste.
Total amount of waste being held at the facility at the time of the report.
Summary report on emissions. (Certified results/data sheets to be attached as Appendices).
Summary of results and interpretations of environmental monitoring, including a location plan of all monitoring locations.
Environmental Management Programme – Proposal and Report.
Resource and energy consumption summary.
Report on development works undertaken during the reporting period.
Proposed future developments of the site and timescale of such development.
Schedule of Environmental Objectives and Targets for the forthcoming year.
Report on the progress towards achievement of the Environmental Objectives and Targets contained in previous year's report.
Full title and a written summary of any procedures developed by the licensee in the year, which relates to the facility operation.
Tank, drum, pipeline and bund testing and inspection report.
Reported Incidents and Complaints summaries.
Review of Nuisance Controls.
Reports on financial provision made under this licence, management and staffing structure of the facility, and a programme for public information.
Closure, Restoration & Aftercare management Plan.
Statement of measures in relation to prevention of environmental damage and remedial actions (Environmental Liabilities).
Environmental Liabilities Risk Assessment Review.
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 14th day of July, 2005

PRESENT when the seal of the Agency was affixed hereto:

Padraic Larkin, Director