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Ireland

WASTE LICENCE
TRANSFER STATION
PROPOSED DECISION

Waste Licence

Application

Register Number: 193-1

Applicant: Irish Bulk Liquid Storage Limited

Location of Facility: Foynes Harbour, Foynes, County Limerick

INTRODUCTION

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

Irish Bulk Liquid Storage Limited currently operates an oil and chemical storage depot at Foynes Harbour, Foynes, County Limerick, and has applied for this licence in order to operate a hazardous waste transfer station at the above location. The waste intake will be limited to 24,000 tonnes per annum. The waste type will consist mainly of waste solvents with some inorganic chemical, agrochemical, photographic, petroleum refining, water treatment plant, chemical surface treatment and oil wastes. They will also continue existing operations.

The licence will enable Irish Bulk Liquid Storage Limited to accept hazardous waste at the facility where confirmatory testing, blending of compatible waste, and bulk storage will be carried out before transfer to ocean going ships.

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 Irish Bulk Liquid Storage Limited, Foynes Harbour, Foynes, County Limerick will operate and manage this facility.

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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 will comply with the requirements of Section 40(4) of the Waste Management Act, 1996.

In reaching this decision the Environmental Protection Agency has considered the application and supporting documentation received from the applicant, all submissions received from other parties and the report of its inspector.

INTERPRETATION

All terms in this licence should be interpreted in accordance with the definitions in the Waste Management Act, (the Act), 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.
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.
CEN	Comité Européen De Normalisation – European Committee for Standardisation.
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	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 9.7.
Emission Limits	Those limits, including concentration limits and deposition levels established in <i>Schedule C: Emission Limits</i> , of this licence.
EWC	European Waste Catalogue (Commission Decision 200/532/EC as amended).
Fisheries Board	South Western Fisheries Board.
Incident	The following shall constitute an incident for the purposes of this licence: - <ul style="list-style-type: none"> a) an emergency; b) any emission which does not comply with the requirements of this licence; c) any exceedance 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 that does not undergo any significant physical, chemical or biological transformations. Inert waste will not dissolve, burn or otherwise physically or chemically react, biodegrade or adversely affect other matter with which it comes into contact in a way likely to give rise to environmental pollution or harm human health. The total leachability and pollutant content of the waste and the ecotoxicity of the leachate must be insignificant, and in particular not endanger the quality of surface water and/or groundwater.
Landfill Directive	Council Directive 1999/31/EC.
Licence	A Waste Licence issued in accordance with the Act.
Licensee	Irish Bulk Liquid Storage Limited.
Liquid Waste	Any waste in liquid form and containing less than 2% dry matter. Any waste tankered to the facility.
Local Authority	Limerick County Council.
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).
Port Authority	Foynes Port Company.
Recyclable Materials	Those waste types, such as cardboard, batteries, gas cylinders, etc, which may be recycled.
Quarterly	At approximately three monthly intervals.
Sanitary Authority	Limerick 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 <i>Schedule C: Emission Limits</i> of this licence.
Specified Engineering Works	Those engineering works listed in <i>Schedule B: Specified Engineering Works</i> of this licence.
TOC	Total Organic Carbon.
Trigger Level	A parameter value, the achievement or exceedance of which requires certain actions to be taken by the licensee.
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.

Part I Schedule of Activities Licensed

In pursuance of the powers conferred on it by the Waste Management Act, 1996, the Environmental Protection Agency (the Agency) proposes, under Section 40(1) of the said Act to grant this Waste Licence to Irish Bulk Liquid Storage Limited to carry on the waste activities listed below at Foynes Harbour, Foynes, County Limerick 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 Act 1996 to 2003

Class 11.	Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule. This activity is limited to the blending or mixture of waste prior to disposal off site.
Class 13.	Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced. This activity is limited to storage and bulking of waste prior to disposal off site.

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

Class 1	Solvent reclamation or regeneration. This activity is limited to the blending or mixing of waste prior to its recovery offsite.
Class 3	Recycling or reclamation of metals and metal compounds. This activity is limited to the blending of waste prior to its recovery offsite.
Class 4	Recycling or reclamation of other inorganic materials. This activity is limited to the blending of waste prior to its recovery offsite.
Class 8	Oil refining or other uses of oil. This activity is limited to the blending of waste prior to its recovery offsite.
Class 13.	Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced. This activity is limited to the storage of waste materials at the facility prior to consignment to off site recovery facilities.

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: Activities Licensed and authorised by this licence.
- 1.2. For the purposes of this licence, the facility is the area of land outlined in red and blue on Drawing No. 02026-B2 Licence Area of the application. Any reference in this licence to “facility” shall mean the area thus outlined in red and blue.
- 1.3. This licence is for the purposes of waste licensing under the Waste Management Act 1996 only and nothing in this licence shall be construed as negating the licensee’s statutory obligations or requirements under any other enactments or regulations.
- 1.4. The maximum tonnage to be accepted at the facility shall not exceed 24,000 tonnes per annum.
- 1.5. Only those waste categories and quantities listed in *Schedule A: Waste Acceptance* of this licence shall be accepted at the facility.
- 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.

REASON: <i>To clarify the scope of this licence.</i>

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 prior to commencement of the waste activity.
 - 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 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, any nominated deputies and chemist;
- 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. Prior to commencement of waste activities, 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 as part of the Annual Environmental Report (AER) (Condition 11.7).

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 prior to commencement of the waste activity.

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 infrastructures 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.
- 3.3 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:-
- the name and telephone number of the facility;
 - the normal hours of opening;
 - the name of the licence holder;
 - an emergency out of hours contact telephone number;
 - the licence reference number; and
 - where environmental information relating to the facility can be obtained.
- 3.4 Facility Security
- 3.4.1 Security and stock proof fencing and gates shall be installed and maintained as described in Attachment D1(a) of the application. The security fence and gates shall be at the locations shown on Drawing No. IBL002-G-300. 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 temporary repair shall be made by the end of the working day; and
 - a repair to the standard of the original gates and/or fencing shall be undertaken within three working days.
- 3.5 Facility Roads and Hardstanding
- 3.5.1 Effective site roads shall be provided and maintained to ensure the safe movement of vehicles within the facility.
- 3.5.2 The facility entrance area shall be paved and maintained in accordance with attachment D1.b of the application.
- 3.5.3 The licensee shall provide, and maintain an impermeable hardstanding surface in the areas of the facility shown on Drawing No. IBL0020-G-301. In addition, the floor of the buildings and hardstanding areas at the facility shall be concreted and constructed to British Standard 8110.
- 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 A Waste Inspection Area and a Waste Quarantine Area 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 and the waste quarantine area shall be clearly identified and segregated from each other.
 - 3.7.3 Drainage from these areas shall be directed to a class II oil separator as shown in Drawing number IBL0020-G-301.
- 3.8 Weighbridge
 - 3.8.1 The licensee shall provide and maintain a weighbridge at the facility.
- 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 shall be provided on the following basis:-
 - a) 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 Prior to commencement of waste activities all tank, drum storage and off-loading gantry areas shall be rendered impervious to the materials stored therein.
 - 3.10.2 Prior to commencement of waste activities all tank, tanker 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 spillages and liquids recovered from bunded areas 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.
 - 3.10.4 All sumps and other plant chambers shall be fitted with high liquid level alarms prior to commencement of waste activity.
 - 3.10.5 All tanker and tank inlets, outlets, vent pipes, valves and gauges must be within the bunded area.
 - 3.10.6 The integrity and water tightness of all the site bunds (A and B) 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 for approval following their installation and at least two months prior to commencement of waste activity. This confirmation shall be repeated at least once every three years thereafter and reported to the Agency on each occasion.

- 3.10.7 (a) The licensee shall install vapour collection/treatment technology on all tanks prior to commencement of waste activities. The technology selection process must include such criteria as abatement efficiency, and toxicity of stored material.
- (b) The licensee shall prepare to the satisfaction of the Agency, a test programme for the vapour collection/treatment technology. The test programme shall at a minimum include the establishment of all criteria for the operation, control and management of the vapour collection/treatment. Assess the performance of any monitors on the system and establish a maintenance and calibration programme. This programme shall be submitted to the Agency for agreement prior to implementation.
- (c) The programme, following agreement, shall be completed within three months of commencement of operation of the vapour treatment technology.
- (d) A report on the implementation of the test programme shall be submitted to the Agency within one month of completion.
- (e) The criteria for the operation of the vapour collection/treatment technology as determined by the test programme, shall be incorporated into the standard operating procedures at the facility. All control and monitoring equipment shall be calibrated and maintained in accordance with Condition 5.6.

3.11 Silt Traps, Oil Separators/Interceptors and TOC monitor

- 3.11.1 The licensee shall install and maintain silt traps and oil separators 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 II full retention interceptor and the silt traps and interceptors shall be in accordance with European Standard prEN 858 (installations for the separation of light liquids).
- 3.11.2 The licensee shall install and maintain a continuous TOC monitor at the discharge point SE-1 in Drawing No. J.1.0 of application. The licensee shall monitor this discharge in accordance with *Schedule D: Monitoring*, of this licence.
- 3.11.3 The licensee shall determine the normal levels of TOC for uncontaminated surface water and shall within 12 months from the date of commencement of this waste activity, submit proposals to the Agency for the setting of warning and trigger levels.
- 3.11.4 In the event that any analysis or observations made on the quality of this discharge should indicate that contamination has taken place, the licensee shall:
- a) carry out an immediate investigation to identify and isolate the source of the contamination;
 - b) shut off the discharge via an outlet control valve; and,
 - c) notify the Agency, Port Authority, Local Authority and Fisheries Board as soon as possible.

3.12 Drainage system, pipeline testing

- 3.12.1 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. SE-1) shall be inscribed on these manholes.
- 3.12.2 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.

- 3.12.3 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. The licensee shall maintain a written record of all integrity tests and any maintenance or remedial work arising from them.
- 3.12.4 All flanges and valves on over-ground pipes used to transport materials other than uncontaminated water, where no permanent provision for the containment of leaks is provided, shall be subject to weekly inspection. All inspections shall be recorded in a log for inspection by the Agency.
- 3.12.5 All pipelines used during ship loading operations shall be pressure and leak tested prior to each ship loading operation in accordance with procedure IBLS-301. All test results shall be recorded in a log for inspection by the Agency.
- 3.12.6 All pipelines used during oil, chemical and waste activities shall be adequately cleaned following each load to protect against mixing of incompatible substances.

3.13 Monitoring Infrastructure

3.13.1 Groundwater

- (i) The licensee shall maintain four monitoring points at MW-1, MW-2, MW-3 and MW-4 as shown in Figure 3.1 'Monitoring Well Locations' of the application to allow for the sampling and analyses of groundwater.
- (ii) Any additional groundwater monitoring boreholes required arising from Condition 3.13.1 shall be constructed to the standard, and at locations, to be agreed by the Agency.

3.13.2 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 RESTORATION AND AFTERCARE

- 4.1. At least three months prior to the cessation of waste activities on the facility, the licensee shall submit a detailed and updated Decommissioning Plan to the Agency for agreement. The decommissioning plan shall be as described in Attachment G1 (Decommissioning plan for Irish Bulk Liquid Storage Ltd Hazardous Waste Storage Facility) of the application.
- 4.2. A final validation report to include a certificate of completion for the decommissioning of the facility, for all or part of the site as necessary, shall be submitted to the Agency within three months of execution of the decommissioning. 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 provide for the restoration of the facility.*

CONDITION 5 FACILITY OPERATIONS

- 5.1 All waste processing shall be carried out at the specific waste infrastructural locations shown in Drawing No. IBL0020-G-300.
- 5.2 The licensee shall ensure that a system is in place to ensure traceability of waste through all steps of the facility operation including pre-acceptance, acceptance, storage, treatment and dispatch.
- 5.3 Waste Acceptance and Characterisation Procedures
- 5.3.1 No waste may be accepted at the facility except where:
- (a) the waste has been pre-notified to the licensee;
 - (b) the waste has been characterised in terms of its nature, constituents and contaminants prior to its arrival at the facility;
 - (c) a representative sample of waste had been received and analysed prior to the arrival of that waste at the facility;
 - (d) a suitable storage area is available at the facility.
- 5.3.2 Waste Acceptance Procedures shall be carried out in accordance with procedures for waste handling and acceptance as detailed in the application and shall meet any applicable requirements of both the Council Decision 2003/33/EC on Waste Characterisation and Testing and any relevant guidelines issued by the Agency.
- 5.3.3 Detailed procedures for the carrying out of compatibility and confirmatory testing shall be submitted to the Agency at least two months prior to the commencement of activities. These procedures should ensure:
- (a) the compatibility of any waste to be bulked, blended or otherwise mixed shall be established prior to such mixing taking place;
 - (b) as far as possible, the identification of any potentially abnormal, hazardous or unusual situations and procedures for dealing with these;
 - (c) records shall be maintained of all compatibility tests carried out.
- 5.3.4 All blending and mixing of waste shall be carried out inside one of the dedicated blending tanks.
- 5.3.5 At least two months prior to the commencement of activities the licensee shall establish Waste Assessment Documentation, which shall be submitted for the agreement of the Agency.
- 5.3.6 Records of all Waste Assessment Documentation shall be maintained on site.
- 5.3.7 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 Waste Quarantine Area. A record of these inspections shall be maintained.
- 5.3.8 Any waste deemed unsuitable for processing at the facility and/or in contravention of this licence shall be 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 odour generation and any other nuisance.

5.3.9 Following transfer of waste from the tanker to the blending tanks the wash water used to clean the tanker shall also be transferred to the blending tank.

5.3.10 Waste shall be accepted on site from holders of a waste permit under the Waste Management (Collectors permit) Regulations 2001, or other licensed/permited facilities only.

5.4 Operational Controls

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

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

5.4.3 All tanks, drums and valve spots shall be labelled to clearly indicate their contents.

5.4.4 No smoking shall be allowed on the facility.

5.5 Off-site Disposal and Recovery

5.5.1 Only a waste contractor agreed in advance by the Agency shall convey waste sent off-site for recovery or disposal.

5.5.2 All waste transferred from the facility shall be transferred only to an appropriate facility agreed in advance by the Agency. Any request for agreement shall include the following information:

- (a) A copy of the waste permit or waste licence where applicable,
- (b) The proposed waste characteristics and quantities,
- (c) Details of any limitations on waste types and quantities acceptable at the facility.

5.5.3 All wastes removed off-site for recovery or disposal shall be transported from the facility to the consignee in a manner, which will not adversely affect the environment.

5.6 Maintenance

5.6.1 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.

5.6.2 The licensee shall maintain all equipment and infrastructure in accordance with the manufacturers instructions.

5.7 All transfer and drumming of chemicals and oils shall be carried out in dedicated bunded areas.

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. There shall be no clearly audible tonal component or impulsive component in the noise emissions from the activity at the noise sensitive locations.
- 6.4. No environmentally polluting substance or matter shall be permitted to discharge to surface water, ground or groundwater.
- 6.5. The licensee shall submit to the Agency a letter confirming permission to discharge uncontaminated surface water to the drainage system of the Port Authority prior to the commencement of waste activity.

REASON: *To control emissions from the facility and provide for the protection of the environment.*

CONDITION 7 NUISANCE CONTROL

- 7.1 The licensee shall daily inspect the facility and its immediate surrounds to ensure that odours do not give rise to nuisance at or in the immediate area of the facility.
- 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 Dust Control
 - 7.3.1 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.
 - 7.3.2 The licensee shall at one-week intervals inspect the facility and its immediate surrounds for nuisance caused by dust.

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 on commencement of waste activity.
- 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 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 and off-site sampling and monitoring 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. 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.
- 8.7. Prior to the commencement of waste activities at this facility 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.
- 8.8. 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.
- 8.9. Noise Monitoring
 - 8.9.1. The licensee shall carry out noise monitoring at the locations set out in *Schedule D: Monitoring* of this licence.
- 8.10. Groundwater Monitoring
 - 8.10.1. Groundwater monitoring shall be undertaken as set out in *Schedule D: Monitoring* of this licence.
- 8.11. Emissions to Atmosphere & Air Quality Monitoring
 - 8.11.1. Emissions to Atmosphere & Air Quality Monitoring shall be undertaken as set out in *Schedule D: Monitoring* of this licence.

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 not later than two months prior to the commencement of waste activity ensure that a documented Emergency Action Plan is in place, which takes into account changes in operations associated with the waste transfer operations. The licensee shall consult the Fire Authority during this review. The procedure shall include provisions for minimising the effects of any emergency on the environment.

9.3 The licensee shall, not later than two months prior to the commencement of the waste activity 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.

9.4 The plans referred to in Condition 9.2 and 9.3 shall be reviewed annually and up-dated as necessary. They shall be made available on-site for inspection by the Agency at all reasonable times.

9.5 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 or in the jetty area. Once used the absorbent material shall be disposed of at an appropriate facility.

9.6 Firewater retention

9.6.1 The licensee shall carry out a risk assessment to determine if the activity should have a dedicated firewater retention facility. The licensee shall submit an assessment and a report for agreement with the Agency at least three months prior to the commencement of the waste activity.

9.6.2 The licensee shall have regard to the Agency's Draft Guidance Note to Industry on the Requirements for Firewater Retention Facilities when implementing Condition 9.6.1 above.

9.7 Emergencies

9.7.1 In the event of a complete breakdown of equipment or any other occurrence which results in the closure of the transfer station any waste arriving at or already collected at the facility shall be stored in a designated area in accordance with Condition 3.7 of the licence until such time as the transfer station is returned to a fully operational status. Such a breakdown event will be treated as an emergency and rectified as soon as possible.

9.7.2 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.

REASON: *To ensure compliance with the conditions of this licence by provision of satisfactory contingency arrangements.*

CONDITION 10 RECORDS

- 10.1 The licensee shall keep the following documents at the facility office:-
- a) the current waste licence relating to the facility;
 - b) the current EMS for the facility;
 - c) the previous year's AER for the facility;
 - d) all written procedures produced by the licensee which relate to the licensed activities;
 - e) Emergency Action Plan;
 - f) Accident Prevention Policy;
 - g) Application for a licence; and,
 - h) All correspondence between the Agency and the licensee.
- 10.2 The licensee shall maintain a written 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 carrier registration 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 category of waste as per *Schedule A: Waste Acceptance*, of this licence, Table A.1.1 of the licence;
 - i) the waste acceptance and compatibility procedures as required by Condition 5.3.2 and 5.3.3 of this licence;
 - j) for incoming loads the pre-notification reference number as required by Condition 5.3.1 of this licence;
 - k) the name of the person checking the load;
 - l) where loads or wastes are rejected, details of the date of occurrence, the types of waste and the facility to which they were returned;
 - m) for out going waste the destination, including a facility name and waste licence or permit number as appropriate;
 - n) for outgoing waste, the disposal or recovery process for which the waste is destined;
 - o) for outgoing waste written confirmation that consigned waste has reached its destination and/or has been subject to the recovery or disposal process for which it was designed as appropriate;
 - p) where applicable a consignment note number (including transfrontier shipment notification and movement/tracking form numbers, as appropriate).
- 10.3 Written Records
- The following written 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, pipelines 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 written record of all complaints relating to the operation of the activity. Each such record shall give details of the following:-
- a) date and time of the complaint;
 - b) the name of the complainant;
 - c) details of the nature of the complaint;
 - d) actions taken on foot of the complaint and the results of such actions; and,
 - e) the response made to each complainant.

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

CONDITION 11 REPORTS AND NOTIFICATIONS

- 11.1 The licensee shall notify the Agency in writing at least one month prior to the proposed date of commencement of the waste activity.
- 11.2 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,
 - Any fuels, raw materials, products or wastes 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 prior written agreement of, the Agency.
- 11.3 Unless otherwise agreed by the Agency, all reports and notifications submitted to the Agency shall:-
- a) be sent to the Agency's Headquarters;
 - b) comprise one original and three 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.

11.4 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 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 surface/sewer water, notify Limerick County Council, Shannon Estuary Ports Anti-Pollution Team and Fisheries Board as soon as practicable and in any case not later than 10:00am on the following working day after such an incident; and
- d) 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.

11.5 Monitoring Locations

11.5.1 Prior to commencement of waste activity, 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.

11.6 National Reporting

The licensee shall submit data as required for the National Waste Database. Such data shall be in accordance with any relevant guidance issued by the Agency.

11.7 Annual Environmental Report

11.7.1 For each full calendar year from the date of grant of this licence, the licensee shall submit to the Agency, by the 31st March of the following year, an Annual Environmental Report (AER), which shall be to the satisfaction of the Agency. The first AER report shall include a report covering the period from the date of grant of the licence to the 31st December of the same year.

11.7.2 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 12 USE OF RESOURCES

12.1 The licensee shall, prior to commencement of the waste activity, establish a programme to record water and energy consumption at each operational building or manufacturing area.

Records of water and energy consumption shall be available for inspection on site by authorised personnel.

12.1.1 Energy efficiency:

The licensee shall within twelve months of the date of commencement of the licence carry out an audit of the energy efficiency of the site. 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. The recommendations of the audit shall be incorporated into the Schedule of Environmental Objectives and Targets under condition 2.3.2.1 above.

12.1.2 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.

12.1.3 Efficiency of water use:

The licensee shall identify opportunities for the reduction in the quantity of water used on site including recycling and reuse initiatives, wherever possible. As part of this investigation the licensee shall examine all options for the reduction in the volume of reject water, rinse waters, other effluent and cooling water discharged to sewer. Reductions in water usage shall be incorporated into the Schedule of Environmental Objectives and Targets under condition 2.3.2.1 above. The company shall submit to the Agency as part of the AER, a detailed report on progress made and proposals being developed to minimise its water demand and the volume of its trade effluent discharge.

12.1.4 Efficiency of Raw Materials use:

The licensee shall undertake an assessment of the efficiency of the use of raw materials in all processes. In addition to resource use the assessment shall also address the efficiency of production including the volumes of waste generated. The company shall submit to the Agency as part of the AER, a detailed report on the findings of the study and where necessary an improvement programme. This programme shall be to the satisfaction of the Agency and shall be incorporated into the Schedule of Environmental Objectives and Targets under condition 2.3.2.1 above.

Reason: To provide for the efficient use of resources in all site operations.

CONDITION 13 CHARGES AND FINANCIAL PROVISIONS

13.1 Agency Charges

13.1.1 The licensee shall pay to the Agency an annual contribution of € 11,809.50 or such sum as the Agency from time to time determines, towards the cost of monitoring the activity or otherwise in performing any functions in relation to the activity, as the Agency considers necessary for the performance of its functions under the Waste Management Act, 1996. The licensee shall in 2005 and subsequent years, not later than January 31 of each year, pay to the Agency this amount updated in accordance with changes in the Public Sector Average Earnings Index from the date of the licence

to the renewal date. The updated amount shall be notified to the licensee by the Agency. For 2004, the licensee shall pay a pro rata amount from the date of this licence to 31st December. This amount shall be paid to the Agency within one month of the date of grant of this licence.

- 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 Financial Provision for Closure, Restoration and Aftercare

- 13.2.1 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.
- 13.2.2 Within nine months of the date of commencement 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. The licensee shall maintain such provision unless otherwise agreed by the Agency.
- 13.2.3 The amount of financial provision, held under Condition 13.2.2 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.
- 13.2.4 The licensee shall within two weeks of purchase, renewal or revision of the financial provision required under Condition 13.2.2, forward to the Agency written proof of such indemnity.
- 13.2.5 Unless otherwise agreed any revision to the fund shall be computed using the following formula:

$$\text{Cost} = (\text{ECOST} \times \text{WPI}) + \text{CiCC}$$

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.

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

SCHEDULE A : Waste Acceptance

A.1 Waste Acceptance

Table A.1.1 Waste Categories and Quantities

WASTE TYPE	MAXIMUM (TONNES PER ANNUM) ^{Note 1}
Waste Oil	100
Wastes from petroleum refining, natural gas purification and pyrolytic treatment of coal	200
Wastes from Inorganic chemical Processes	200
Wastes from Organic chemical Processes	23,000
Agrochemical Wastes	100
Photographic Processing Waste	100
Paint, Ink, Adhesives and Resin	100
Waste from off-site Water Treatment Plants	100
Wastes from Chemical Surface Treatment and Coating of Metals and other Materials	100
TOTAL	24,000

Note 1: Individual quantities of waste specified may vary, within the maximum allowed, subject to prior approval by the Agency.

SCHEDULE B : Specified Engineering Works

Specified Engineering Works
Installation of silt traps.
Installation of waste handling, processing, infrastructure.
Construction of new internal site roads and hardstanding areas for truck parking.
Additional surface water drainage infrastructure.
Upgrade of Bunds.
Installation of VOC recovery facilities.
Any other works notified in writing by the Agency.

SCHEDULE C : Emission Limits

C.1 Noise Emissions: (Measured at noise sensitive locations to be agreed with Agency)

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

SCHEDULE D : Monitoring

Monitoring to be carried out as specified below.

D.1 Monitoring Locations

Monitoring locations shall be those as set out in Drawing J.1.0 of the application or as otherwise agreed with Agency.

Table D.1.1 Noise, and Surface Water Monitoring Locations

NOISE	SURFACE WATER
STATIONS	STATIONS
Noise Sensitive Locations ^{Note 1}	SE-1

Note 1: Locations to be agreed with Agency

Table D.1.2 Ambient Air and Groundwater Monitoring Locations

VOC	GROUNDWATER
STATIONS	STATIONS
D1	MW-1
	MW-2
D2	MW-3
	MW-4

D.2 Noise

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."

D.3 Ambient air monitoring

Table D.3.1 Ambient Air Monitoring Frequency and Techniques

Parameter	Monitoring Frequency	Analysis Method/Technique
VOC's	Biannual	Gas chromatography

D.4 Groundwater monitoring

Table D.4.1 Groundwater Monitoring Frequency and Techniques

Parameter	Monitoring Frequency	Analysis Method/Technique
VOC's	Biannual	Gas chromatography
SVOC's	Biannual	Gas chromatography
Petrol range organics	Biannual	To be agreed with Agency
Diesel range Organics	Biannual	To be agreed with Agency
Mineral oil	Biannual	To be agreed with Agency
Nitrate	Biannual	To be agreed with Agency
Sulphate	Biannual	To be agreed with Agency
Chloride	Biannual	To be agreed with Agency
Potassium	Biannual	To be agreed with Agency
Alkalinity	Biannual	To be agreed with Agency
Metals ^{note 1}	Biannual	To be agreed with Agency

Note 1: Parameters should reflect current and historical practices on site

SCHEDULE E : Recording and Reporting to the Agency

Report	Reporting Frequency ^{Note1}	Report Submission Date
Environmental Management System Updates	Annually	As part of the AER.
Annual Environment Report (AER)	Annually	By the 31 st of 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	Two month prior to commencement of waste activity and as part of AER after end of the three year period being reported on.
Specified Engineering Works reports	As they arise	At least two months prior to the works commencing.
TOC warning level proposals	Once-off	Within 12 months of date of commencement of waste activity.
Monitoring of Groundwater Quality	Biannual	Within one month after end of the half being reported on.
Noise Monitoring	Annually	One month after end of the year being reported on.
Firewater Retention Facility Report	Once-off	At least two months prior to commencement of waste activity.
Compatibility Tests Procedure	Once-off	Two months prior to commencement of licensed waste activity.
Waste Assessment Documentation	Once-off	Two months prior to commencement of licensed waste activity.
Port Authority use of Drainage pipe confirmation letter	Once-off	Prior to commencement of waste activity.
Test Programme as per condition 3.10.7.a	Once-off	Prior to implementation.
Test Programme Report as per condition 3.10.7.d	Once -Off	Within one month of completion of test programme.
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.

Resource use & efficiency reports.

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).

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.

EMS annual update.

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.

Signed on behalf of the said Agency _____

on the 11th day of June, 2004

Marie O'Connor

Authorised Person