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Ireland

**WASTE LICENCE
Proposed Decision**

Licence Register Number:	W0205-01
Applicant:	Greyhound Recycling and Recovery Limited
Location of Facility:	Crag Avenue, Clondalkin Industrial Estate, Clondalkin, County Dublin.

INTRODUCTION

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

This licence sets out the conditions for the operation of a materials recovery facility for non-hazardous waste and a transfer station for household hazardous waste located at Crag Avenue, Clondalkin Industrial Estate, Clondalkin, County Dublin.

All waste processing will take place indoors. Several different operations will be carried out at the facility. These include the processing/storage of putrescible waste, dry recyclables, recovery of construction and demolition waste, storage and bulking of waste electrical and electronic equipment and the processing of up to 2,500m³/annum of used cooking oil (Waste Edible Oil and Fat) to produce biodiesel.

The licence limits the total quantity of waste to be accepted at the facility to 250,000 tonnes per annum. The waste will consist of commercial, industrial, segregated household waste, construction & demolition (C&D) waste and 3,000 tonnes per annum of household hazardous waste. The household hazardous waste will consist of fluorescent tubes, paint, inks, adhesives, batteries and accumulators, discarded electronic equipment with hazardous components.

A maximum of 33,600 tonnes/annum of putrescible waste will be accepted at the site, primarily source segregated organic waste and the organic contaminant fraction from commercial and industrial waste streams. The putrescible waste shall be loaded into containers prior to removal off site for recovery. Prior to the acceptance of putrescible waste, a negative air pressure system shall be installed in the Waste Recovery Buildings.

Segregated recyclable waste will be baled/compacted at the site prior to recovery off-site. Hazardous waste will be stored in designated areas within the Waste Recovery Buildings prior to removal off site for recovery/disposal.

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

The licence sets out in detail the conditions under which Greyhound Recycling and Recovery Limited will operate and manage this facility.

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Glossary of Terms

All terms in this licence should be interpreted in accordance with the definitions in the Waste Management Acts 1996 to 2005, (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 this licence application.
Application	The application by the licensee for this 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.
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.
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 or from further contaminating watercourses.
Daily	During all days of plant operation, and in the case of emissions, when emissions are taking place; with at least one measurement on any one day.
Day	Any 24 hour period.
Daytime	0800 hrs to 2200 hrs.
dB(A)	Decibels (A weighted).
DO	Dissolved Oxygen.
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.
EIS	Environmental Impact Statement.
EMP	Environmental Management Programme.
Emergency	Those occurrences defined in Condition 9.
Emission Limits	Those limits, including concentration limits and deposition rates established in <i>Schedule B: Emission Limits</i> of this licence.
Environmental Damage	Has the meaning given it in Directive 2004/35/EC.
EPA	Environmental Protection Agency.
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.
Fugitive emission	As defined in the Solvents Directive 1999/13/EC.
GC/MS	Gas Chromatography/Mass Spectroscopy.
Green waste	Waste wood (excluding timber), plant matter such as grass cuttings, and other vegetation.
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.
ICP	Inductively Coupled Plasma Spectroscopy.
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 exceedence of the daily duty capacity of the waste handling equipment;d) any trigger level specified in this licence which is attained or exceeded; and,e) any indication that environmental pollution has, or may have, taken place.
Industrial Waste	As defined in Section 5(1) of the Waste Management Acts 1996 to 2005.

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.
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.
K	Kelvin.
kPa	Kilo Pascals.
Landfill Directive	Council Directive 1999/31/EC.
Leq	Equivalent continuous sound level.
Licence	A Waste Licence issued in accordance with the Acts.
Licensee	Greyhound Recycling and Recovery Limited, Crag Avenue, Clondalkin Industrial Estate, Clondalkin, County Dublin.
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.
Local Authority	South Dublin 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.
Mass Flow Limit	An Emission Limit Value which is expressed as the maximum mass of a substance which can be emitted per unit time.
Mass Flow Threshold	A mass flow rate, above which, a concentration limit applies.
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 Acts.
Night-time	2200 hrs to 0800 hrs.
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 International Standard I.S.EN 858-2:2003 (Separator systems for light liquids, (e.g. oil and petrol)-Part 2:Selection of nominal size, installation, operation and maintenance.
PRTR	Pollutant Release and Transfer Register.
Quarterly	All or part of a period of three consecutive months beginning on the first day of January, April, July or October.
Recyclable Materials	Those waste types, such as cardboard, batteries, gas cylinders, etc, which may be recycled.
Regional Fisheries Board	Eastern Regional Fisheries Board.
Sanitary Authority	South Dublin County Council.
Sanitary Effluent	Waste water from facility toilet, washroom and canteen facilities.
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 B: Emission Limits</i> of this licence.
Specified Engineering Works	Those engineering works listed in <i>Schedule D: Specified Engineering Works</i> of this licence.
Standard Method	A National, European or internationally recognised procedure (eg, 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.
Trade Effluent	Trade Effluent has the meaning given in the Water Pollution Acts 1977 and 1990.
Trigger Level	A parameter value, the achievement or exceedance of which requires certain actions to be taken by the licensee.
VOC	Volatile organic compound, shall mean any organic compound having at 293.15 K a vapour pressure of 0.01 kPa or more, or having a corresponding volatility under the particular conditions of use.
Waste Edible Oil and Fat	EWC 20 01 25.

WEEE	Waste Electrical and Electronic Equipment.
Weekly	During all weeks of plant operation, and in the case of emissions, when emissions are taking place; with at least one measurement in any one week.
WWTP	Waste Water Treatment Plant.

Decision & Reasons for the Decision

The Environmental Protection Agency is satisfied, on the basis of the information available, that subject to compliance with the conditions of this licence, any emissions from the activity will comply with and will not contravene any of the requirements of Section 40(4) of the Waste Management Acts 1996 to 2005.

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.

Part I Schedule of Activities Licensed

In pursuance of the powers conferred on it by the Waste Management Acts 1996 to 2005, the Environmental Protection Agency (the Agency) proposes, under Section 40(1) of the said Acts to grant this Waste Licence to Greyhound Recycling and Recovery Limited, Crag Avenue, Clondalkin Industrial Estate, Clondalkin, County Dublin to carry on the waste activities listed below at Crag Avenue, Clondalkin Industrial Estate, Clondalkin, County Dublin subject to conditions, with the reasons therefor and the associated schedules attached thereto set out in the licence.

Licensed Waste Disposal Activities, in accordance with the Third Schedule of the Waste Management Acts 1996 to 2005

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 2005

Class 2.	Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological processes).
Class 3.	Recycling or reclamation of metals and metal compounds.
Class 4.	Recycling or reclamation of other inorganic materials.
Class 8.	Oil re-refining or other re-uses of oil.
Class 11.	Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule.
Class 12.	Exchange of waste for submission to any activity referred to in a preceding paragraph of this Schedule.
Class 13.	Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced.

Part II Schedule of Activities Refused

On the basis of the information before it, the Environmental Protection Agency (the Agency), pursuant to its powers under Section 40(1) of the Waste Management Acts 1996 to 2005, proposes to refuse the following class of activity.

***Refused waste recovery activity, in accordance with the Fourth Schedule
of the Waste Management Acts 1996 to 2005***

Class 9.	Use of any waste principally as a fuel or other means to generate energy.
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Reason: Class 8 of the Fourth Schedule adequately accommodates the re-refining of waste edible oil and fat. The use of biodiesel product is not governed by waste legislation.

Part III Conditions

Condition 1. Scope

- 1.1 Waste activities at this facility shall be restricted to those listed and described in *Schedule A.1 – Authorised Waste Processes*, of this licence and shall be as set out in the licence application or as modified under Condition 1.5 of this licence and subject to the conditions of this licence.
- 1.2 Activities at this facility shall be limited as set out in *Schedule A: Limitations*, of this licence.
- 1.3 The facility shall be controlled, operated, and maintained and emissions shall take place as set out in this licence. All programmes required to be carried out under the terms of this licence, become part of this licence.
- 1.4 For the purposes of this licence, the facility is the area of land outlined in red on Drawing No. DG0012 in Appendix A of the application. Any reference in this licence to “facility” shall mean the area thus outlined in red. The licensed activities shall be those carried on only within the area outlined.
- 1.5 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, intermediates, products or wastes generated, or
- (b) any changes in:
- Site management infrastructure or control with adverse environmental significance,
- shall be carried out or commenced without prior notice to, and without the agreement of, the Agency.
- 1.6 This licence is for the purposes of waste licensing under the Waste Management Acts 1996 to 2005 only and nothing in this licence shall be construed as negating the licensee’s statutory obligations or requirements under any other enactments or regulations. The conditions of this licence apply to this facility from date of issue of licence.

Reason: To clarify the scope of this licence.

Condition 2. Management of the Facility

- 2.1 Facility Management
- 2.1.1 The licensee shall employ a suitably qualified and experienced facility manager who shall be designated as the person in charge. The facility manager or a nominated, suitably qualified and experienced, deputy shall be present on the facility at all times during its operation or as otherwise required by the Agency.
- 2.1.2 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. In addition, the facility manager and his/her deputy shall successfully complete the FAS waste management training programme or equivalent agreed by the Agency.

2.2 Environmental Management System (EMS)

2.2.1 The licensee shall establish and maintain an Environmental Management System (EMS) within six months of the date of commencement of the Scheduled Activity. The EMS shall be updated on an annual basis.

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

2.2.2.1 Management and Reporting Structure

2.2.2.2 Schedule of Environmental Objectives and Targets

The licensee shall prepare a Schedule of Environmental Objectives and Targets. The Schedule shall as a minimum provide for a review of all operations and processes, including an evaluation of practicable options, for energy and resource efficiency, the use of cleaner technology, cleaner production, and the prevention, reduction and minimisation of waste, and shall include waste reduction targets. The Schedule shall include time frames for the achievement of set targets and shall address a five-year period as a minimum. The Schedule shall be reviewed annually and amendments thereto notified to the Agency for agreement as part of the Annual Environmental Report (AER).

2.2.2.3 Environmental Management Programme (EMP)

The licensee shall, not later than six months from the date of commencement of the Scheduled Activity, submit to the Agency for agreement an EMP, including a time schedule, for achieving the Environmental Objectives and Targets prepared under Condition 2.2.2.2. Once agreed the EMP shall be established and maintained by the licensee. It shall include:

- (a) designation of responsibility for targets;
- (b) the means by which they may be achieved;
- (c) the time within which they may be achieved.

The EMP shall be reviewed annually and amendments thereto notified to the Agency for agreement as part of the Annual Environmental Report (AER) (See also Condition 11.11).

A report on the programme, including the success in meeting agreed targets, shall be prepared and submitted to the Agency as part of the AER. Such reports shall be retained on-site for a period of not less than seven years and shall be available for inspection by authorised persons of the Agency.

2.2.2.4 Documentation

- (i) The licensee shall establish and maintain an environmental management documentation system which shall be to the satisfaction of the Agency.
- (ii) The licensee shall issue a copy of this licence to all relevant personnel whose duties relate to any condition of this licence.

2.2.2.5 Corrective Action

The licensee shall establish procedures to ensure that corrective action is taken should the specified requirements of this licence not be fulfilled. The responsibility and authority for initiating further investigation and corrective action in the event of a reported non-conformity with this licence shall be defined.

2.2.2.6 Awareness and Training

The licensee shall establish and maintain procedures for identifying training needs, and for providing appropriate training, for all personnel whose work can have a significant effect upon the environment. Appropriate records of training shall be maintained.

2.2.2.7 Communications Programme

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.

2.2.2.8 Maintenance Programme

The licensee shall establish and maintain a programme for maintenance of all plant and equipment based on the instructions issued by the manufacturer/supplier or installer of the equipment. Appropriate record keeping and diagnostic testing shall support this maintenance programme. The licensee shall clearly allocate responsibility for the planning, management and execution of all aspects of this programme to appropriate personnel (see Condition 2.1 above).

2.2.2.9 Efficient Process Control

The licensee shall establish and maintain a programme to ensure there is adequate control of processes under all modes of operation, identifying the key performance indicators and methods for measuring and controlling these parameters. Abnormal process operating conditions shall be documented and analysed to identify necessary corrective action.

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

Condition 3. Infrastructure and Operation

- 3.1 The licensee shall establish all infrastructure referred to in the licence prior to the commencement of the licensed activities or as required by the conditions of the licence.
- 3.2 Specified Engineering Works
 - 3.2.1 The licensee shall submit proposals for all Specified Engineering Works, as defined in *Schedule D: Specified Engineering Works*, of this licence, to the Agency for its agreement at least two months prior to the intended date of commencement of any such works. No such works shall be carried out without the prior agreement of the Agency.

- 3.2.2 All specified engineering works shall be supervised by a competent person(s) and that person, or persons, shall be present at all times during which relevant works are being undertaken.
- 3.2.3 Following the completion of all specified engineering works, the licensee shall complete a construction quality assurance validation. The validation report shall be made available to the Agency on request. The report shall, as appropriate, include the following information:-
- a) A description of the works;
 - b) As-built drawings of the works;
 - c) Any other information requested in writing by the Agency.
- 3.3 Facility Notice Board
- 3.3.1 The licensee shall provide and maintain a Facility Notice Board on the facility so that it is legible to persons outside the main entrance to the facility. The minimum dimensions of the board shall be 1200 mm by 750 mm.
- 3.3.2 The board shall clearly show:-
- a) the name and telephone number of the facility;
 - b) the normal hours of opening;
 - c) the name of the licence holder;
 - d) an emergency out of hours contact telephone number;
 - e) the licence reference number; and
 - f) where environmental information relating to the facility can be obtained.
- 3.3.3 A plan of the facility clearly identifying the location of each storage and treatment area shall be displayed as close as is possible to the entrance to the facility. The plan shall be displayed on a durable material such that it is legible at all times. The plan shall be replaced as material changes to the facility are made.
- 3.4 Facility Security
- 3.4.1 Security and stockproof fencing and gates shall be installed and maintained. The base of the fencing shall be set in the ground.
- 3.4.2 Gates shall be locked shut when the facility is unsupervised.
- 3.4.3 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.
- 3.5 Facility Roads and Site Surfaces
- 3.5.1 Effective site roads shall be provided and maintained to ensure the safe movement of vehicles within the facility.
- 3.5.2 The licensee shall provide, and maintain an impermeable hardstanding surface in the areas of the facility associated with the movement, processing, storage and handling of waste, as shown on Drawing No. DG0015 Rev. A02. The surface shall be concreted and constructed to British Standard 8110 or an alternative as agreed by the Agency.
- 3.6 Facility Office
- 3.6.1 The licensee shall provide and maintain an office at the facility. The office shall be constructed and maintained in a manner suitable for the processing and storing of documentation.

- 3.6.2 The licensee shall provide and maintain a working telephone and a method for electronic transfer of information at the facility.
- 3.7 Waste Inspection and Quarantine Areas
- 3.7.1 The licensee shall, prior to the commencement of the Scheduled Activity, provide and maintain a designated waste inspection area and a waste quarantine area within the Waste Recovery Buildings.
- 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 for collection and safe disposal.
- 3.7.4 The waste inspection and quarantine area shall be secured and rendered impervious to the material inspected and stored therein.
- 3.8 Weighbridge and Truck Wash
- 3.8.1 The licensee shall provide and maintain a weighbridge and truck washing equipment at the facility.
- 3.8.2 The truck wash shall be used by vehicles leaving the facility as required, to ensure that no waste is carried off-site. All water from the truck wash area shall be directed to the trade effluent drainage network.
- 3.8.3 The truck wash shall be inspected on a daily basis and drained as required. Silt, stones and other accumulated material shall be removed as required from the truck wash area and disposed of appropriately.
- 3.9 Waste handling, ventilation and processing plant
- 3.9.1 Items of plant deemed critical to the efficient and adequate processing of waste at the facility (including *inter alia* waste loading vehicles and ejector trailers) shall be provided on the following basis:-
- a) 100% duty capacity;
 - b) 20% standby capacity available on a routine basis; and
 - c) Provision of contingency arrangements and/or back up and spares in the case of breakdown of critical equipment.
- 3.9.2 Prior to the commencement of the Scheduled Activity, the licensee shall provide a report for the agreement of the Agency detailing the duty and standby capacity in tonnes per day, of all waste handling and processing equipment to be used at the facility. These capacities shall be based on the licensed waste intake, as per *Schedule A.2: Waste Acceptance*, of this licence.
- 3.9.3 The quantity of waste to be accepted at the facility on a daily basis shall not exceed the duty capacity of the equipment at the facility. Any exceedance of this intake shall be treated as an incident.
- 3.10 Construction and Demolition Waste Recovery Area
- 3.10.1 All Construction and Demolition waste screening and sorting shall be carried out indoors. Details of the proposed infrastructure shall be submitted to the Agency for agreement prior to any construction work.
- 3.10.2 This infrastructure shall as a minimum comprise the following:
- a) Acoustic screening to ensure compliance with the limit values as per *Schedule B.4 Noise Emissions* of the licence;
 - b) Adequate containment of stockpiles to minimise dust generation.

- 3.10.3 Construction and Demolition waste shall be appropriately segregated and stored temporarily in a designated area within the Waste Recovery Buildings prior to being sent off site for disposal/recovery at appropriate facilities.
- 3.11 Waste Electrical and Electronic Equipment storage
- 3.11.1 WEEE shall be stored in a designated area within the Waste Recovery Buildings prior to being sent off site for disposal/recovery at an appropriate facility.
- 3.11.2 Drainage/spillage from this area shall be directed for collection and safe disposal.
- 3.12 Biodiesel Production Plant
- 3.12.1 The biodiesel production plant shall be contained within a suitable building as agreed by the Agency.
- 3.12.2 Drainage/spillage from this area shall be directed for collection and safe recovery/disposal.
- 3.13 There shall be no composting of waste on site.
- 3.14 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.
- 3.15 In the case of composite sampling of aqueous emissions from the operation of the facility a separate composite sample or homogeneous sub-sample (of sufficient volume as advised) should be refrigerated immediately after collection and retained as required for EPA use.
- 3.16 The licensee shall clearly label and provide safe and permanent access to all on-site sampling and monitoring points and to off-site points as required by the Agency or Sanitary Authority.
- 3.17 The licensee shall maintain (or have maintained) effluent treatment systems on site to ensure compliance with the conditions of this licence and the emission limit values specified in *Schedule B.3: Emission to Sewer*, of this licence.
- 3.18 Tank and Drum Storage Areas
- 3.18.1 All tank and drum storage areas shall be rendered impervious to the materials stored therein. Bunds shall be designed in accordance with the guidance published by the Agency: 'IPPC Guidance Note on Storage and Transfer of Materials for Scheduled Activities'.
- 3.18.2 Hazardous wastes and fuels shall be stored only at appropriately bunded locations on the site.
- 3.18.3 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:-
- (i) 110% of the capacity of the largest tank or drum within the bunded area; or
 - (ii) 25% of the total volume of substance which could be stored within the bunded area
- 3.18.4 All drainage from bunded areas shall be diverted for collection and safe disposal.
- 3.18.5 All inlets, outlets, vent pipes, valves and gauges must be within the bunded area.
- 3.18.6 The licensee shall undertake measures as necessary for the protection of tanks from damage by vehicles or trailers.

- 3.19 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.
- 3.20 **Silt Traps and Oil Separators**
The licensee shall install and maintain silt traps and oil separator at the facility to ensure that all storm water discharges from the facility pass through a silt trap and oil separator prior to discharge. The separators shall be a Class I full retention separator and the silt traps and separator shall be in accordance with I.S. EN 858-2:2003 (separator systems for light liquids).
- 3.21 **Drainage system and pipeline testing**
- 3.21.1 The licensee shall submit a final plan of the facility storm water drainage network for agreement by the Agency prior to commencement of the Scheduled Activity. The licensee shall install and maintain the drainage network as agreed.
- 3.21.2 Within three months of the commencement of the Scheduled Activity all trade effluent discharge gullies, drainage grids and manhole covers shall be painted with red squares and 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 shall be inscribed on these manholes.
- 3.22 **Firewater Retention**
- 3.22.1 The licensee shall carry out a risk assessment to determine if the activity should have a fire-water retention facility. The licensee shall submit the assessment and a report to the Agency on the findings and recommendations of the assessment within six months of commencement of the Scheduled Activity.
- 3.22.2 In the event that a significant risk exists for the release of contaminated fire-water, the licensee shall, based on the findings of the risk assessment, prepare and implement, with the agreement of the Agency, a suitable risk management programme. The risk management programme shall be fully implemented within three months from date of notification by the Agency.
- 3.22.3 The licensee shall have regard to the Environmental Protection Agency Draft Guidance Note to Industry on the Requirements for Fire-Water Retention Facilities when implementing Conditions 3.22.1 and 3.22.2 above.
- 3.23 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 six months of commencement of the Scheduled Activity. The tanks used for the processing and storage of waste edible oil and fat, biodiesel and biodiesel wash waters shall be fitted with high liquid level alarms prior to use.
- 3.24 The provision of a catchment system to collect any leaks from flanges and valves of all over ground pipes used to transport material other than water shall be examined. This shall be incorporated into a schedule of objectives and targets set out in Condition 2.2.2.2 of this licence for the reduction in fugitive emissions.
- 3.25 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.

- 3.26 The licensee shall, within three months of commencement of the Scheduled Activity, install in a prominent location on the site a wind sock, or other wind direction indicator, which shall be visible from the public roadway outside the site.

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

Condition 4. Interpretation

- 4.1 Emission limit values for emissions to sewer in this licence shall be interpreted in the following way:-
- 4.1.1 Continuous monitoring:
- (i) No flow value shall exceed the specified limit.
- 4.1.2 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.
- 4.1.3 Discrete Sampling
- (i) For parameters other than pH no grab sample value shall exceed 1.2 times the emission limit value.
- (ii) No temperature value shall exceed the emission limit value.
- 4.2 Where the ability to measure a parameter is affected by mixing before emission, then, with agreement from the Agency, the parameter may be assessed before mixing takes place.
- 4.3 Dust and particulate matter from the activity shall not give rise to deposition levels which exceed the limit value.
- 4.4 Noise from the facility shall not give rise to sound pressure levels (Leq, 30 minutes) measured at noise sensitive locations of the facility which exceed the limit value(s).

Reason: To clarify the interpretation of limit values fixed under the licence.

Condition 5. Emissions

- 5.1 No specified emission from the facility shall exceed the emission limit values set out in *Schedule B: Emission Limits* of this licence. There shall be no other emissions of environmental significance.
- 5.2 Unless otherwise agreed by the Agency, no trade effluent, leachate and/or contaminated storm water shall be discharged to surface water drains and courses.
- 5.3 There shall be no direct emissions to groundwater.
- 5.4 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.

5.5 Odour Control

- (i) The licensee shall, within one year of commencement of the Scheduled Activity, submit an odour management programme for agreement by the Agency outlining current odour reduction measures and their effectiveness and further odour reduction measures appropriate for the site. The licensee shall implement this odour management programme with the agreement of the Agency, within a specified timeframe. The odour management programme shall be reviewed annually and amendments thereto notified to the Agency for agreement as part of the Annual Environmental Report (AER). A report on the programme shall be prepared and submitted to the Agency as part of the AER.
 - (ii) The following odour control measures shall be implemented upon commencement of biodiesel production:
 - Waste edible oil and fat shall be transported to and from the site in sealed containers or tankers.
 - The reception area for the waste edible oil and fat shall be cleaned and washed down at least weekly, with the wash water being diverted for safe disposal. A log of such wash downs shall be maintained.
 - Waste edible oil and fat and biodiesel shall be transferred between process operations via a sealed pipe network.
- 5.6 No substance shall be present in such concentrations as would constitute a danger to sewer maintenance personnel working in the sewerage system, or as would be damaging to the fabric of the sewer, or as would interfere with the biological functioning of a downstream wastewater treatment works.
- 5.7 No discharge or emission to sewer shall take place that gives rise to any reaction within the sewer or to the liberation of by-products that may be of environmental significance.
- 5.8 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 sewer.
- 5.9 Non-trade effluent wastewater (e.g. firewater, accidental spillage) that occurs on-site shall not be discharged to sewer without the prior authorisation of the Sanitary Authority.
- 5.10 Materials classified as “Hazardous Wastes” under the Waste Management Acts 1996 to 2005 shall not be discharged to foul sewer.
- 5.11 Trade effluent shall be screened prior to discharge to remove gross solids and avoid blockages in the sewer.
- 5.12 No substance shall be discharged in a manner, or at a concentration that, following initial dilution, causes tainting of fish or shellfish.

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 52 of the Waste Management Acts 1996 to 2005.

Condition 6. Control and Monitoring

- 6.1 The licensee shall ensure that all or any of the following: –
- vermin,
 - birds,
 - flies,

- mud,
- dust,
- litter,

associated with the activity do not result in an impairment of, or an interference with amenities or the environment at the facility or beyond the facility boundary or any other legitimate uses of the environment beyond the facility boundary. Any method used by the licensee to control or prevent any such impairment/interference shall not cause environmental pollution.

6.2 Litter Control

- 6.2.1 The measures and infrastructure as described in the Section 12.8 'Litter' of the EIS submitted with the application shall be applied to control litter at the facility.
- 6.2.2 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 and where connected with the activities on-site, shall be collected and appropriately recovered or disposed of, subject to the agreement of the landowners, immediately and in any event by 10.00 a.m. of the next working day after such waste is discovered.
- 6.2.3 The licensee shall ensure that all vehicles delivering waste to and removing waste and materials from the facility are appropriately covered.

6.3 Dust/Odour Control

- 6.3.1 All putrescible waste, stored overnight at the facility, shall be stored in suitably covered and enclosed containers within a Waste Recovery Building, and shall be removed from the facility within forty eight hours of its arrival on site or seventy-two hours in the case of a Public Holiday.
- 6.3.2 In dry weather, site roads and any other areas used by vehicles shall be sprayed with water as and when required to minimise airborne dust nuisance.
- 6.3.3 The licensee shall install and provide adequate measures for the control of odours and dust emissions, including fugitive dust emissions, from the facility. Such measures shall at a minimum include the following:-
- (i) Prior to the commencement of the Scheduled Activity, fast-action doors (or equivalent as agreed by the Agency) shall be installed and maintained on the entry/exit points of the Waste Recovery Buildings. The licensee shall also ensure that all other doors be kept closed where possible.
 - (ii) Prior to the acceptance of putrescible waste at the facility, the Waste Recovery Buildings shall be fitted with an odour management system. This shall include a continuous negative air pressure system with ventilated gases being subject to treatment as agreed by the Agency. The licensee shall maintain the integrity and negative pressure throughout each building to ensure no significant escape of odours or dust.
 - (iii) The licensee shall, within nine months of the acceptance of putrescible waste at the facility, prepare and submit a report on the effectiveness of the odour management system. This report shall cover the first six months operation of the system.
 - (iv) Provision of 100% duty capacity and 20% stand by capacity, back ups and spares must be provided for the air handling, ventilation and abatement plant.

- 6.4 Operational Controls
- 6.4.1 The floor of the Waste Recovery Buildings shall be cleared of all waste at the end of the working day. The floor of the storage areas used for putrescible waste containers shall be washed down and cleaned on a weekly basis.
- 6.4.2 All waste handling plant used for putrescible waste shall be cleared of all waste and washed down on a weekly basis.
- 6.4.3 Anti vibration mounts shall be fitted on all reciprocating plant.
- 6.4.4 The licensee shall provide and use adequate lighting during the operation of the facility in hours of darkness.
- 6.4.5 Fuels shall be stored only at appropriately bunded locations on the facility.
- 6.4.6 All tanks and drums shall be labelled to clearly indicate their contents.
- 6.4.7 There shall be no casual public access to the facility.
- 6.4.8 No waste shall be stored outdoors without the prior agreement of the Agency.
- 6.4.9 Gates shall be locked when the facility is unsupervised.
- 6.5 Methanol Management
- 6.5.1 The licensee shall ensure that water cooled condensers on biodiesel production vessels are in operation at all times during which there is potential for methanol emissions.
- 6.5.2 The licensee shall record and report methanol transfers and releases as specified in *Schedule C.1.2: Monitoring of Emissions to Air*, of this licence. These values shall be calculated quarterly and submitted annually as part of the AER.
- 6.5.3 The licensee shall establish and maintain a 'Methanol Management Plan'. The Methanol Management Plan shall include, as a minimum the following:
- Annual methanol consumption;
 - Fugitive emissions;
 - Total emission; and
 - Recommendations and timeframes for the reduction of emissions.
- The licensee shall submit the 'Methanol Management Plan' annually as part of the AER.
- 6.6 The minimisation of water use in the biodiesel production shall be included as part of the Schedule of Environmental Objectives and Targets under Condition 2.2.2.2. 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 water reuse within the biodiesel production process.
- 6.7 The licensee shall prepare a programme, to the satisfaction of the Agency, for the identification and reduction of fugitive emissions. This programme shall be included in the Environmental Management Programme.
- 6.8 All biodiesel produced shall meet the requirements of CEN EN 14214 (Fatty acid methyl esters (FAME) for diesel engines) or equivalent standard agreed in advance by the Agency. Biodiesel product that fails to meet the requirements of this standard shall be reprocessed at the facility or sent off-site for recovery or disposal at an appropriate facility.
- 6.9 Off-site recovery and disposal
- 6.9.1 Wastes sent off-site for recovery or disposal shall be transported only by a waste contractor agreed by the Agency.

- 6.9.2 All waste transferred from the facility shall be transferred only to an appropriate facility agreed by the Agency.
- 6.9.3 All waste removed off-site for recovery or disposal shall be transported from the facility to the consignee in a manner that will not adversely affect the environment.
- 6.10 Nuisance Monitoring
- 6.10.1 The licensee shall, at least weekly, inspect the facility and its immediate surrounds for nuisances caused by litter, vermin, birds, flies, mud, dust and odours. The licensee shall maintain a record of all nuisance inspections and any action taken as a result of these inspections.
- 6.11 The licensee shall carry out such sampling, analyses, measurements, examinations, maintenance and calibrations as set out below and in accordance with *Schedule C: Control & Monitoring* of this licence. Unless otherwise specified, all environmental monitoring shall commence from the date of commencement of the Scheduled Activity.
- 6.11.1 Analysis shall be undertaken by competent staff in accordance with documented operating procedures.
- 6.11.2 Such procedures shall be assessed for their suitability for the test matrix and performance characteristics determined.
- 6.11.3 Such procedures shall be subject to a programme of Analytical Quality Control using control standards with evaluation of test responses.
- 6.11.4 Where analysis is sub-contracted it shall be to a competent laboratory.
- 6.12 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 agreement for the use of alternative equipment, other than in emergency situations, shall be obtained from the Agency.
- 6.13 Monitoring and analysis equipment shall be operated and maintained as necessary so that monitoring accurately reflects the emission or discharge.
- 6.14 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 trade effluent, and to take samples of the discharge or emission.
- 6.15 All treatment/abatement and emission control equipment shall be calibrated and maintained at all times when in use, in accordance with the instructions issued by the manufacturer/supplier or installer, or as otherwise agreed by the Agency. The licensee shall maintain a record of the calibrations and maintenance carried out.
- 6.16 The frequency, locations, methods and scope of monitoring, sampling and analyses, as set out in this licence, may be amended subject to the agreement of the Agency. The licensee shall provide such information concerning the amendments as may be requested by the Agency.
- 6.17 The integrity and water tightness of all underground pipes, tanks, bunding structures and containers and their resistance to penetration by water or other materials carried or stored therein shall be tested and demonstrated by the licensee and shall be reported to the Agency within six months of the commencement of the Scheduled Activity. Biodiesel production plant structures and containers shall be tested prior to 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. This testing shall be carried out in accordance with any guidance published by the Agency. A written record of

all integrity tests and any maintenance or remedial work arising from them shall be maintained by the licensee.

- 6.18 Trade Effluent
- 6.18.1 The trade effluent 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. The licensee shall maintain a record of each of the following inspections: -
- desludging, cleaning, disposal of associated waste products,
 - maintenance and performance of the interceptors, bunds and drains.
- 6.18.2 The licensee shall, prior to the commissioning of the biodiesel production plant, install and maintain a silt trap and oil separator for the treatment of wastewater from this plant. The separator shall be a suitably scaled Class I full retention separator and the silt trap and separator shall be in accordance with I.S. EN 858-2:2003 (separator systems for light liquids). Wastewater from the biodiesel production plant shall pass through this interceptor prior to discharge to the trade effluent sewer.
- 6.18.3 The equipment, including backup equipment, specified in *Schedule C.3.1 Control of Emissions to Sewer* of this licence, shall be provided on-site.
- 6.18.4 The licensee shall assess emissions to sewer from the biodiesel production plant. The minimisation of these emissions to sewer shall be included as part of the Schedule of Environmental Objectives and Targets under Condition 2.2.2.2.
- 6.19 Storm water
- 6.19.1 A visual examination of the storm water discharge shall be carried out daily. A log of such inspections shall be maintained.
- 6.19.2 The storm water 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. The licensee shall maintain a record of each of the following inspections: -
- desludging, cleaning, disposal of associated waste products,
 - maintenance and performance of the interceptors, bunds and drains.
- 6.19.3 The licensee shall monitor storm water discharges in accordance with *Schedule C.2.3 Monitoring of Storm Water Emissions* of this licence. The monitoring results shall be reported annually as part of the AER.
- 6.20 No site surface sweepings/washings shall be discharged to surface water. All such sweepings/washings shall be collected for recovery or disposal at an appropriate facility.
- 6.21 The licensee shall carry out a noise survey of the site operations within six months of commencement of the Scheduled Activity. The survey programme shall be undertaken in accordance with the methodology specified in the 'Environmental Noise Survey Guidance Document' as published by the Agency. The survey shall be repeated annually.
- 6.22 The licensee shall implement noise attenuation measures to ensure compliance with the noise limits specified in this licence.
- 6.23 Waste oil shall not be used to lubricate bailer wire or any other plant/equipment.
- 6.24 Test Programmes

- 6.24.1 The licensee shall prepare, to the satisfaction of the Agency, a test programme for, (a) abatement equipment installed to control odour/dust emissions from the Waste Recovery Buildings and (b) the biodiesel production equipment. Each test programme shall be submitted to the Agency, prior to implementation.
- 6.24.2 Each programme, following agreement with the Agency, shall be completed within three months of commencement of operation of the equipment.
- 6.24.3 The criteria for the operation of the odour/dust abatement equipment and biodiesel production equipment as determined by the respective test programmes, shall be incorporated into the standard operating procedures as approved by the Agency.
- 6.25 Each test programme, referred to in condition 6.24, shall as a minimum: -
- (i) establish all criteria for operation, control and management of the equipment to ensure compliance with the requirements of this licence and
 - (ii) assess the performance of any monitors on the abatement system/s and establish a maintenance and calibration programme for each monitor.
- A report on each test programme shall be submitted to the Agency within one month of completion.
- 6.26 The licensee shall, within six months of the commencement of the Scheduled Activity, develop and establish a Data Management System for collation, archiving, assessing and graphically presenting the environmental monitoring data generated as a result of this licence.
- 6.27 Pollutant Release and Transfer Register (PRTR)
- The licensee shall prepare and report a PRTR for the site. The substances and/or waste to be included in the PRTR shall be agreed by the Agency each year by reference to EC Regulation No.166/2006 concerning the establishment of the European Pollutant Release and Transfer Register and amending Council Directives 91/689/EEC and 96/61/EC. The PRTR shall be prepared in accordance with any relevant guidelines issued by the Agency and shall be submitted electronically in specified format and as part of the AER.

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 52 of the Waste Management Acts 1996 to 2005.

Condition 7. Resource Use and Energy Efficiency

- 7.1 The licensee shall carry out an audit of the energy efficiency of the site within twelve months of commencement of the Scheduled Activity. 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.
- 7.2 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 2.2.2.2 above.
- 7.3 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 the Schedule of Environmental Objectives and Targets.

- 7.4 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 under Condition 2.2.2.2 above.

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

Condition 8. Materials Handling

- 8.1 Disposal or recovery of waste shall only take place in accordance with the conditions of this licence and in accordance with the appropriate National and European legislation and protocols.
- 8.2 All waste handling and processing shall be carried out indoors.
- 8.3 Waste Acceptance and Characterisation Procedures
- 8.3.1 Waste shall only be accepted at the facility, from Local Authority waste collection or transport vehicles or holders of waste collection permits, unless exempted or excluded, issued under the Waste Management (Collection Permit) Regulations. Copies of these waste collection permits must be maintained at the facility.
- 8.3.2 The licensee shall, prior to the commencement of the Scheduled Activity, establish and maintain detailed written procedures for the acceptance and handling of all wastes.
- 8.3.3 The licensee shall establish and maintain procedures for the delivery, receipt and transfer of waste edible oil and fat, and for the transfer of biodiesel, prior to the commencement of the biodiesel production plant.
- 8.3.4 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 designated indoor recovery/storage areas. Each load of waste arriving at the Waste Recovery Buildings shall be inspected upon tipping. Only after such inspections shall the waste be processed for recovery or stored for transfer to an appropriate disposal facility.
- 8.3.5 The licensee shall install a dedicated reception area for waste edible oil and fat within a suitable building as agreed by the Agency.
- 8.3.6 Any waste deemed unsuitable for processing at the facility and/or in contravention of this licence shall be immediately separated and removed from the facility at the earliest possible time. Temporary storage of such wastes shall be in a designated appropriate 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.
- 8.3.7 A record of all inspections of incoming waste loads shall be maintained.
- 8.3.8 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. There shall be no casual public access to the facility.

- 8.3.9 No hazardous wastes other than those identified in Table A.2 'Waste Categories & Quantities' of *Schedule A.2: Waste Acceptance*, of this licence shall be accepted at the facility.
- 8.4 Any spillage of hazardous waste shall be cleaned up so as to prevent spilled fluid draining to sewer, surface water, or ground, and so as not to adversely affect the environment.
- 8.5 Waste shall be stored in designated areas, protected as may be appropriate, against spillage and leachate run-off. The waste is to be clearly labelled and appropriately segregated.
- 8.6 No waste other than waste edible oil and fat shall be used to produce biodiesel.
- 8.7 Handling of hazardous waste
- 8.7.1 No hazardous waste shall be stored at the facility for longer than three months.
- 8.7.2 No processing of hazardous waste shall take place at the facility.
- 8.8 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.
- 8.9 The licensee shall ensure that waste prior to transfer to another person shall be classified packaged and labelled in accordance with National, European and any other standards which are in force in relation to such labelling.
- 8.10 No waste classified as green list waste in accordance with the EU Transfrontier Shipment of Waste Regulations (Council Regulation EEC No.259/1993, as amended) shall be consigned for recovery without the agreement of the Agency.
- 8.11 Unless approved in writing by the Agency the licensee is prohibited from mixing a hazardous waste of one category with a hazardous waste of another category or with any other non-hazardous waste.
- 8.12 Waste for disposal/recovery off-site shall be analysed in accordance with *Schedule C: Control & Monitoring*, of this licence.

Reason: To provide for the appropriate handling of materials and the protection of the environment.

Condition 9. Accident Prevention and Emergency Response

- 9.1 The licensee shall, prior to commencement of the Scheduled Activity, ensure that a documented Accident Prevention Procedure 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.
- 9.2 The licensee shall, prior to commencement of the Scheduled Activity, ensure that a documented Emergency Response Procedure is in place, which shall address any emergency situation which may originate on-site. This Procedure shall include provision for minimising the effects of any emergency on the environment. This procedure shall be reviewed annually and updated as necessary.

9.3 Incidents

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

- (i) carry out an investigation to identify the nature, source and cause of the incident and any emission arising therefrom;
- (ii) isolate the source of any such emission;
- (iii) evaluate the environmental pollution, if any, caused by the incident;
- (iv) identify and execute measures to minimise the emissions/malfunction and the effects thereof;
- (v) identify the date, time and place of the incident;
- (vi) notify the Agency and other relevant authorities.

9.3.2 The licensee shall 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.

9.4 Emergencies

9.4.1 In the event of a complete breakdown of equipment or any other occurrence which results in the closure of the Waste Recovery Building(s), any waste arriving at or already collected at the facility shall be transferred directly to appropriate recovery facilities, landfill sites or any other appropriate facility until such time as the Waste Recovery Building(s) is/are returned to a fully operational status. Such a breakdown event will be treated as an emergency and rectified as soon as possible.

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

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

Reason: To provide for the protection of the environment.

Condition 10. Closure, Restoration and Aftercare

10.1 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.

10.2 Residuals Management Plan:

10.2.1 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 commencement of the Scheduled Activity.

- 10.2.2 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.
- 10.3 The Residuals Management Plan shall include as a minimum, the following:-
- 10.3.1 A scope statement for the plan.
- 10.3.2 The criteria which define the successful decommissioning of the activity or part thereof, which ensures minimum impact on the environment.
- 10.3.3 A programme to achieve the stated criteria.
- 10.3.4 Where relevant, a test programme to demonstrate the successful implementation of the decommissioning plan.
- 10.3.5 Details of costings for the plan and a statement as to how these costs will be underwritten.
- 10.4 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 11. Notifications, Records and Reports

- 11.1 The licensee shall notify the Agency, in writing, one month prior to the intended date of commencement of the Scheduled Activity.
- 11.2 The licensee shall notify the Agency by both telephone and either facsimile or electronic mail, if available, to the Agency's Office of Environmental Enforcement, McCumiskey House, Richview, Clonskeagh, Dublin 14, or to such other Agency office as may be specified by the Agency, as soon as practicable after the occurrence of any of the following:
- 11.2.1 Any release of environmental significance to atmosphere from any potential emission point including bypasses.
- 11.2.2 Any emission which does not comply with the requirements of this licence.
- 11.2.3 Any malfunction or breakdown of key control equipment or monitoring equipment set out in *Schedule C: Control & Monitoring*, of this licence which is likely to lead to loss of control of the abatement system.
- 11.2.4 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.
- 11.3 In the event of any incident which relates to discharges to sewer, having taken place, the licensee shall notify the Local and Sanitary Authority as soon as practicable, after such an incident.

- 11.4 In the case of any incident which relates to discharges to water, the licensee shall notify the Local Authority and the Eastern Regional Fisheries Board as soon as practicable after such an incident.
- 11.5 The licensee shall make a record of any incident. This record shall include details of the nature, extent, and impact of, and circumstances giving rise to, the incident. The record shall include all corrective actions taken to; manage the incident, minimise wastes generated and the effect on the environment, and avoid recurrence. The licensee shall as soon as practicable following incident notification, submit to the Agency the incident record.
- 11.6 The licensee shall notify the Sanitary Authority of any incident with the potential for environmental contamination of surface water or ground water, 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.
- 11.7 The licensee shall record all complaints of an environmental nature related to the operation of the activity. Each such record shall give details of the date and time of the complaint, the name of the complainant and give details of the nature of the complaint. A record shall also be kept of the response made in the case of each complaint.
- 11.8 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.
- 11.9 The licensee shall submit monitoring results of the emissions to sewer to the Sanitary Authority on an annual basis.
- 11.10 The licensee shall as a minimum keep the following documents at the site:-
- (i) the licences 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) relevant correspondence with the Agency;
 - (vi) an up to date site drawings/plans showing the location of key process and environmental infrastructure, including monitoring locations and emission points;
 - (vii) up to date Standard Operational Procedures for all processes, plant and equipment necessary to give effect to this licence or otherwise to ensure that standard operation of such processes, plant or equipment does not result in unauthorised emissions to the environment;
- and this documentation shall be available to the Agency for inspection at all reasonable times.
- 11.11 The licensee shall submit to the Agency, by the 31st March of each year, an AER covering the previous calendar year. This report, which shall be to the satisfaction of the Agency, shall include as a minimum the information specified in *Schedule E: Annual Environmental Report* of this licence and shall be prepared in accordance with any relevant guidelines issued by the Agency.

11.12 Waste Recovery Reports

The licensee shall as part of the AER submit a report on the contribution by this facility to the achievement of the recovery targets stated in National and European Union waste policies and shall include the following:-

- (i) proposals for the contribution of the facility to the achievement of targets for the reduction of biodegradable waste to landfill as specified in the Landfill Directive;
- (ii) the separation of recyclable materials from the waste;
- (iii) the recovery of Construction and Demolition Waste;
- (iv) the recovery of metal waste and WEEE.

11.13 A full record, which shall be open to inspection by authorised persons of the Agency at all times, shall be kept by the licensee on matters relating to the waste management operations and practices at this site. This record shall be maintained on a monthly basis in a format as agreed by the Agency and shall as a minimum contain details of the following: -

- (i) The tonnages, waste categories and EWC Code for the waste materials imported and/or sent off-site for disposal/recovery.
- (ii) 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).
- (iii) 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 required.
- (iv) Written confirmation of the acceptance and disposal/recovery of any hazardous waste consignments sent off-site.
- (v) Details of all wastes consigned abroad for Recovery and classified as 'Green' in accordance with the EU Transfrontier Shipment of Waste Regulations (Council Regulation EEC No. 259/1993, as amended). The rationale for the classification must form part of the record.
- (vi) Details of any rejected consignments.
- (vii) Details of any approved waste mixing.
- (viii) The results of any waste analyses required under *Schedule C: Control & Monitoring*, of this licence.
- (ix) The tonnages and EWC Code for the waste materials recovered/disposed on-site.

11.14 A full record shall be kept of each consignment of trade effluent, leachate and/or contaminated storm water removed from the facility. The record shall include the following:-

- (i) The name of the carrier;
- (ii) The date and time of removal of trade effluent, leachate and/or contaminated storm water from the facility;
- (iii) The volume of trade effluent, leachate and/or contaminated storm water, in cubic metres, removed from the facility on each occasion;
- (iv) The name and address of the Waste Water Treatment Plant to which the trade effluent, leachate and/or contaminated storm water was transported; and
- (v) Any incidents or spillages of trade effluent, leachate and/or contaminated storm water during its removal or transportation.

11.15 A full record, which shall be open to inspection by authorised persons of the Agency at all times, shall be kept by the licensee 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:-

- (i) The date and time during which spraying of insecticide is carried out;
- (ii) Contractor details;
- (iii) Contractor logs and site inspection reports;
- (iv) Details of the rodenticide(s) and insecticide(s) used;
- (v) Operator training details;
- (vi) Details of any infestations;
- (vii) Mode, frequency, location and quantity of application; and,
- (viii) Measures to contain sprays within the facility boundary.

11.16 Vermin and Flies

Within three months of commencement of the Scheduled Activity, 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.

Reason: To provide for the collection and reporting of adequate information on the activity.

Condition 12. Financial Charges and Provisions

12.1 Agency Charges

12.1.1 The licensee shall pay to the Agency an annual contribution of €20,258, 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 2005. The first payment shall be a pro-rata amount for the period from the date of issue of this licence to the 31st day of December, and shall be paid to the Agency within one month from date of issue of this 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 2005, and all such payments shall be made within one month of the date upon which demanded by the Agency.

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

12.2 Sanitary Authority Charges

The licensee shall pay to the Sanitary Authority such sum as may be determined from time to time, having regard to the variations in the cost of providing drainage and the variation in effluent reception and treatment costs. Payment to be made on demand.

12.3 Environmental Liabilities

12.3.1 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 financial provisions in place in relation to

the underwriting of costs for remedial actions following anticipated events (including closure) or accidents/incidents, as may be associated with the carrying on of the activity.

- 12.3.2 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 10 for execution of the RMP. A report on this assessment shall be submitted to the Agency for agreement within twelve months of commencement of the Scheduled Activity. 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.
- 12.3.3 As part of the measures identified in Condition 12.3.1, the licensee shall, to the satisfaction of the Agency, make financial provision to cover any liabilities identified in Condition 12.3.2. 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 12.3.1.

Reason: To provide for adequate financing for monitoring and financial provisions for measures to protect the environment and to provide for the requirements of the Sanitary Authority in accordance with Section 52 of the Waste Management Acts 1996 to 2005.

SCHEDULE A: Limitations

A.1 Authorised Waste Processes

The following waste related processes are authorised:

- i. Sorting, separation, baling and repackaging processes
- ii. Shredding - Limited to paper, cardboard, tetra-pak and residual waste from sorting and segregation, unless otherwise agreed by the Agency
- iii. C & D waste recovery (screening and sorting only)
- iv. Storage of hazardous and non-hazardous waste prior to recovery
- v. Recovery of dry recyclables
- vi. Refining of waste edible oil and fat to produce biodiesel

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 TYPE		MAXIMUM ^{Note 2} (TONNES PER ANNUM)
Non-Hazardous Wastes ^{Note 1}	Dry Recyclable Household ^{Note 3}	20,000
	Commercial ^{Note 3}	95,200
	Industrial ^{Note 3}	95,200
	Biodegradable Waste (EWC 20.01.08)	33,600 ^{Note 4}
	Construction & Demolition	3,000
Non Hazardous Waste Total		247,000
Hazardous Waste Total ^{Note 5}		3,000
20 01 21 Fluorescent Tubes and other mercury-containing waste		
20 01 27 Paints, inks, adhesives and resins containing dangerous substances		
20 01 34 Batteries and accumulators other than those mentioned in 20 01 33		
20 01 35 Discarded electrical and electronic equipment other than those mentioned in 20 01 21 & 20 01 23 containing hazardous components		
20 01 36 Discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35		
TOTAL		250,000

Note 1: Any proposals to accept other compatible non-hazardous waste types must be agreed in advance by the Agency.

Note 2: The limitation on individual non-hazardous waste types may be varied with the agreement of the Agency subject to the total limit for non-hazardous waste staying the same.

Note 3: Excluding putrescible waste.

Note 4: Maximum quantity of putrescible waste shall not exceed 33,600 tonnes per annum, of which a maximum of 2,500 tonnes/annum may be Waste Edible Oil and Fat (EWC 20 01 25), unless otherwise agreed by the Agency.

Note 5: Hazardous waste types as detailed, or as may otherwise be agreed in advance by the Agency.

SCHEDULE B: Emission Limits

B.1 Emissions to Air

There shall be no Emissions to Air of environmental significance.



B.2 Emissions to Water

There shall be no Emissions to Water of environmental significance.



B.3 Emission to Sewer

Emission Point Reference No.: SE1

Location: Near site entrance to Crag Avenue, prior to connection to sewer, as agreed by the Agency

Volume to be emitted: Maximum in any one day: 10 m³
 Maximum rate per hour: 1 m³

Parameter	Emission Limit Value		
	Temperature	42°C (max.)	
pH	6 - 10		
	Grab Sample mg/l	Daily Mean Concentration mg/l	Daily Mean Loading kg/day
BOD	2,000	1,500	15
COD	8,000	6,000	60
Suspended Solids	2,000	1,500	15
Sulphates (as SO ₄)	500	400	4.0
Detergent (as MBAS)	100	100	1.0
Oils, fats & greases	200	100	1.0
Phosphates (as PO ₄ -P)	100	100	1.0
Mineral Oil	10	10	0.10



B.4 Noise Emissions

Daytime dB(A) L _{Aeq} (30 minutes)	Night-time dB(A) L _{Aeq} (30 minutes)
55 ^{Note 1}	45 ^{Note 1}

Note 1: There shall be no clearly audible tonal component or impulsive component in the noise emission from the activity at any noise sensitive location.



B.5 Dust Deposition Limits:

Location: D1, D2 - Shown on Drawing DG0016 Rev. A02 in Appendix A of the application

Level (mg/m ² /day) ^{Note 1}
350

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

SCHEDULE C: Control & Monitoring

C.1.1 Control of Emissions to Air

There shall be no Emissions to Air of environmental significance.



C.1.2 Monitoring of Emissions to Air

Mass Emissions to Air

Methanol Emissions from the Facility

Parameter	Combined Emissions Sources	Method Summary	Mass Emissions results to be recorded as
Methanol	Process and emergency vents and storage tanks	a) The mass of methanol transferred into the methanol storage tanks shall be estimated and recorded weekly. b) An estimate of the releases of methanol due to working loses shall be calculated as agreed by the Agency c) An estimate of the releases of methanol due to standing loses shall be calculated as agreed by the Agency	Quarterly (kg)

C.2.1 Control of Emissions to Water

There shall be no Process Emissions to Water of environmental significance.

**C.2.2 Monitoring of Emissions to Water**

There shall be no Process Emissions to Water of environmental significance.

**C.2.3 Monitoring of Storm Water Emission**

Emission Point Reference No.:

SW1

Parameter^{Note 1}	Monitoring Frequency	Analysis Method/Technique
Visual Inspection/ Odour^{Note 2}	Daily	Sample and examine for colour and odour
Conductivity	Daily	Standard Method
pH	Quarterly	Standard Method
COD	Quarterly	Standard Method
Oils, fats and greases	Quarterly	Standard Method
Suspended Solids	Quarterly	Standard Method

Note 1: All the analysis shall be carried out by a competent laboratory using standard and internationally accepted procedures.

Note 2: Where there is evident gross contamination, additional samples should be analysed and the full suite of parameters shown tested.



C.3.1 Control of Emissions to Sewer

Emission Point Reference No.: SE1

Equipment: Oil interceptor/Silt Trap

Control Parameter	Monitoring	Key Equipment ^{Note 1}
Oil, Fats and Grease Removal	Oils, fats and greases content in water at discharge point	Class I Full Retention Oil Interceptor
Suspended Solids	Suspended Solids concentration in water at discharge point	Silt traps

Note 1: The licensee shall maintain appropriate access to standby and/or spares to ensure the operation of the abatement system.



C.3.2 Monitoring of Emissions to Sewer

Emission Point Reference No.: SE1

Parameter	Monitoring Frequency	Analysis Method/Technique
Flow	Continuous	On-line flow meter with recorder
Temperature	Monthly ^{Note 2}	Thermometer
pH	Monthly ^{Note 2}	pH electrode/meter and recorder
Biochemical Oxygen Demand	Monthly ^{Note 1}	Standard Method
Chemical Oxygen Demand	Monthly ^{Note 1}	Standard Method
Suspended Solids	Monthly ^{Note 1}	Gravimetric
Sulphates (as SO ₄)	Monthly ^{Note 1}	Standard Method
Oils, fats & greases	Monthly ^{Note 1}	Standard Method
Mineral Oils	Monthly ^{Note 2}	Standard Method
Detergents (as MBAS)	Monthly ^{Note 1}	Standard Method
Phosphates (as PO ₄ -P)	Monthly ^{Note 1}	Standard Method

Note 1: The licensee shall install a composite sampler prior to commencement of the Scheduled Activity of this licence. All samples thereafter shall be collected on a 24 hour flow proportional composite sampling basis.

Note 2: Sample to be obtained by discrete sampling.



C.4 Waste Monitoring

Waste Class	Frequency	Parameter	Method
Mixed solvents/Glycerine	Per consignment	Methanol content	Gas chromatography
Other ^{Note 1}			

Note 1: Analytical requirements to be determined on a case by case basis.



C.5 Noise Monitoring

Monitoring Point Reference No.: N1, N2, N3, N4 and N5
Location: Location of monitoring points as shown on Drawing No. MI0013 Rev. A01 'Baseline Noise Monitoring Locations' – Volume 2 of EIS (or as may be amended under Condition 6.16)

Location	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."



C.6 Ambient Monitoring

Monitoring Point Reference No.: D1 and D2
Location: Location shown on Drawing DG0016 Rev. A02 in Appendix A of the application (or as may be amended under Condition 6.16)

Parameter	Monitoring Frequency	Analysis Method/Technique
Dust deposition	Bi-annually ^{Note 1}	Bergerhoff ^{Note 2}

Note 1: Once during the period May to September, or as otherwise specified in writing by the Agency.
Note 2: Standard Method VDI2119 (Measurement of Dustfall, Determination of Dustfall using Bergerhoff Instrument (Standard Method) German Engineering Institute).



SCHEDULE D Specified Engineering Works

Specified Engineering Works

- Installation of negative air pressure system for the two Waste Recovery Buildings.
- Installation of dust/odour treatment system for the two Waste Recovery Buildings.
- Installation of waste handling, processing, recycling/recovery infrastructure in the two Waste Recovery Buildings.
- Installation of the biodiesel production plant.
- Installation of internal acoustic screening for C&D waste recovery.
- Installation of additional drainage network including silt traps and oil interceptors.
- Any other works notified in writing by the Agency.

SCHEDULE E Annual Environmental Report

Annual Environmental Report Content ^{Note 1}

Emissions from the facility.
 Waste management record.
 Resource consumption summary.
 Complaints summary.
 Schedule of Environmental Objectives and Targets.
 Environmental management programme – report for previous year.
 Environmental management programme – proposal for current year.
 Pollutant Release and Transfer Register – report for previous year.
 Pollutant Release and Transfer Register - proposal for current year.
 Noise monitoring report summary.
 Odour Management Programme.
 Methanol Management Plan.
 Ambient monitoring summary.
 Tank and pipeline testing and inspection report.
 Reported incidents summary.
 Energy efficiency audit report summary.
 Report on the assessment of the efficiency of use of raw materials in processes and the reduction in waste generated.
 Report on progress made and proposals being developed to minimise water demand and the volume of trade effluent discharge.
 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).
 Full title and a written summary of any procedures developed by the licensee in the year which relates to the facility operation.
 Waste Recovery Report.
 Review of Nuisance Controls.
 Volume of trade effluent/leachate and/or contaminated stormwater produced and volume transported off-site.
 Any other items specified by the Agency.
 Development / Infrastructural works summary (completed in previous year or prepared for current year).
 Reports on financial provision made under this licence, management and staffing structure of the facility, and a programme for public information.
 Review of 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 (every three years or more frequently as dictated by relevant on site change including financial provisions).
 Any other items specified by the Agency.

Note 1: Content may be revised subject to the agreement of the Agency.

Signed on behalf of the said Agency
 on the 12th day of January, 2007

Dr Jonathan M. Derham,
Authorised Person