



LICENCE REG. NO. W0237-01 HAS CEASED
Please note that Licence Reg. No. W0237-01 ceased on 8 September 2011

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

WASTE LICENCE

Licence Register No:	W0237-01
Licensee:	Ormonde Organics Limited
Location of Facility:	Unit 643, Greenogue Industrial Estate, Rathcoole, County Dublin



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WASTE MANAGEMENT ACTS, 1996 TO 2008

WASTE LICENCE

Decision of the Agency, under Section 40(1) of the Waste Management Acts, 1996 to 2008

Waste Licence Register No: **W0237-01**

Further to notice dated the 29 July 2008, the Agency in exercise of the powers conferred on it by the Waste Management Acts, 1996 to 2008, for the reasons hereinafter set out in the attached Decision, grants this waste licence to Ormonde Organics Limited, Ballinalacken, Attanagh, County Kilkenny to carry on the waste activities set out below at Ormonde Organics Limited, Unit 643, Greenogue Industrial Estate, Rathcoole, County Dublin subject to twelve Conditions, as set out in the schedules attached thereto.

A copy of the Decision is attached.

Licensed Waste Activities

*Waste Disposal Activities, in accordance with the Third Schedule
of the Waste Management Acts, 1996 to 2008:*

- | | |
|-----------|--|
| Class 7. | Physico-chemical treatment not referred to elsewhere in this Schedule which results in final compounds or mixtures which are disposed of by means of any activity referred to in paragraphs 1 to 5 or paragraphs 8 to 10 of this Schedule (including evaporation, drying and calcination). |
| Class 11. | Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule. |
| Class 12. | Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule. |
| Class 13. | Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced. |

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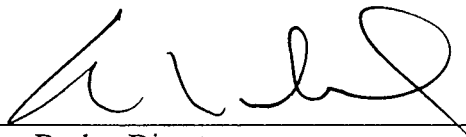


*Waste Recovery Activities, in accordance with the Fourth Schedule
of the Waste Management Acts, 1996 to 2008:*

- | | |
|--------------|---|
| 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. (P) | Oil re-refining or other re-uses of oil. |
| Class 13. | Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced. |

Sealed by the seal of the Agency on this the 8th day of September 2008

**PRESENT when the seal of the Agency
was affixed hereto:**



Laura Burke, Director

LB

INTRODUCTION

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

Ormonde Organics Limited (Ormonde) have applied to operate a new hazardous waste recovery facility in Rathcoole, County Dublin. The 0.41 hectare site is located in the Greenogue Industrial Estate and is situated c. 2km north of Rathcoole and 2km east of Newcastle village.

The facility will accept and process, up to 37,000 tonnes of waste (mainly hazardous) per annum of, two waste streams: (1) hydrocarbon contaminated waste (including interceptor waste, waste oil, coolants, cutting fluids, fuel oils, tank bottoms, drain cleaning waste, tank bottoms and bilge waste); and (2) oil-contaminated solid material (including spent oil filters and oily rags). The facility will also store up to 100 tonnes of contaminated soils at the facility at any one time, pending transfer to a licensed treatment or disposal facility. The applicant has stated that the quantity of contaminated soil stored at the facility will not exceed a total of 1,000 tonnes per annum and no processing of contaminated soil will take place at the facility.

The proposed facility will consist of three buildings (i) a waste processing building (Industrial Process Building) including a waste oil process line, an oil mixes process line and utilities, (ii) a waste acceptance and storage building (Industrial Storage Building) and (iii) an intermediate bulk container (IBC) storage building. The facility will also include ancillary storage tanks, a weighbridge, surface water network and trade effluent network.

On-site storage will include four c.100m³ bunded storage tanks (1x waste oils balance tank, 1x oil mixes balance tank, 1x emergency buffer tank and 1x reclaimed oil tank). The licence application also included provision for one additional 100m³ waste reception tank and two additional c. 100m³ storage tanks.

The applicant will operate the facility from 08.00 to 18.00 Monday to Friday and 08.00 to 14.00 Saturday, with the exception of emergencies or as may be agreed by the Agency.

This activity falls within the scope of Annex I of Council Directive 96/61/EC concerning Integrated Pollution Prevention and Control as the following activity is carried out at the facility:

Category 5.1: Installation for the disposal or recovery of hazardous waste as defined in the list referred to in Article 1(4) of Directive 91/689/EEC, as defined in Annexes IIA and IIB (operations R1, R5, R6, R8 and R9) to Directive 75/442/EEC and in Council Directive 75/439/EEC of 16 June 1975 on the disposal of waste oils (2), with a capacity exceeding 10 tonnes per day.

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

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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.
EMP	Environmental Management Programme.
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.
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.
HFO	Heavy Fuel Oil as defined in Council Directive 1999/32/EC and meeting the requirements of S.I. No. 119 of 2008.
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">(i) an emergency;(ii) any emission which does not comply with the requirements of this licence;(iii) any exceedance of the daily duty capacity of the waste handling equipment;(iv) any indication that environmental pollution has, or may have, taken place;(v) operation of the manual shut off valves on the storm water or trade effluent drainage network.
Industrial waste	As defined in Section 5(1) of the Waste Management Acts 1996 to 2008.
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

	must not endanger the quality of surface water and/or groundwater.
IPPC	Integrated Pollution Prevention & Control.
K	Kelvin.
kPa	Kilopascals.
Landfill Directive	Council Directive 1999/31/EC.
Leq	Equivalent continuous sound level.
Licence	A Waste Licence issued in accordance with the Waste Management Acts 1996 to 2008.
Licensee	Ormonde Organics Limited, Ballinalacken, Attanagh, County Kilkenny.
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 that 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 intervals of approximately one month.
Municipal waste	As defined in Section 5(1) of the Waste Management Acts 1996 to 2008.
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 installation 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).
PAHs	Polycyclic Aromatic Hydrocarbons.
PCBs	Polychlorinated Biphenyls.
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	Waste types, such as cardboard, batteries, gas cylinders etc, may be recycled.

materials

Regional Fisheries Board	Eastern Regional Fisheries Board.
Sample(s)	Unless the context of this licence indicates to the contrary, samples shall include measurements by electronic instruments.
Sanitary effluent	Wastewater from facility toilet, washroom and canteen facilities.
SOP	Standard operating procedure.
Source segregated waste	Waste which is separated at source. Meaning that the waste is sorted at the point of generation into a recyclable fraction(s) for separate collection (e.g., paper, metal, glass, plastic, bulk dry recyclables, biodegradables, etc.,) and a residual fraction. And the expression 'separate at source' shall be construed accordingly.
Specified emissions	Those emissions listed in <i>Schedule B: Emission Limits</i> of this licence.
Specified Engineering Works (SEW)	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) or 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.
Temporary storage	In relation to waste is a period of less than six months as defined in the Waste Management Acts 1996 to 2008.
The Agency	Environmental Protection Agency.
TOC	Total organic carbon.
Trade effluent	Trade effluent has the meaning given in the Water Services Act, 2007.
Transfrontier Shipment Notification	Transfrontier Shipment Notification and movement/tracking form numbers are required for all exports of waste from, into or through the State under the Waste Management (Shipments of Waste) Regulations (S.I. No. 419 of 2007).
Trigger level	A parameter value, the achievement or exceedance of which requires certain actions to be taken by the licensee.
Wastewater	Contaminated water including water that has been used for washing and/or flushing (including foul water).
Water Services Authority	South Dublin County Council.
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.

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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 2008.

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

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

Part I Schedule of Activities Licensed

In pursuance of the powers conferred on it by the Waste Management Acts 1996 to 2008, the Environmental Protection Agency (the Agency), under Section 40(1) of the said Acts hereby grants this Waste Licence to Ormonde Organics Limited, Ballinalacken, Attanagh, County Kilkenny to carry on the waste activities listed below at Unit 643, Greenogue Industrial Estate, Rathcoole, 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 2008

- | | |
|-----------|--|
| Class 7. | Physico-chemical treatment not referred to elsewhere in this Schedule which results in final compounds or mixtures which are disposed of by means of any activity referred to in paragraphs 1 to 5 or paragraphs 8 to 10 of this Schedule (including evaporation, drying and calcination). |
| Class 11. | Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule. |
| Class 12. | Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule. |
| Class 13. | Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced. |

Licensed Waste Recovery Activities, in accordance with the Fourth Schedule of the Waste Management Acts 1996 to 2008

- | | |
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| 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. (P) | Oil re-refining or other re-uses of oil. |
| Class 13. | Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced. |

(P) - Indicates Principal Activity

Part II Schedule of Activities Refused

None of the proposed activities as set out in the licence application have been refused.

Part III Conditions

Condition 1. Scope

- 1.1 Waste activities at this facility shall be restricted to those listed and described in *Part I Schedule of Activities Licensed*, 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 authorised by this licence is the area of land outlined in red on Figure No. B.2.1 of the application. Any reference in this licence to "facility" shall mean the area thus outlined in red. The licensed activities shall be carried on only within the area outlined.
- 1.5 No alteration to, or reconstruction in respect of, the activity or any part thereof which would, or is likely to, result in
- (i) 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
 - (ii) 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 2008 only and nothing in this licence shall be construed as negating the licensee's statutory obligations or requirements under any other enactments or regulations.
- 1.7 Waste Acceptance Hours
- 1.7.1 With the exception of emergencies or as may be agreed by the Agency, waste shall be accepted at or dispatched from the facility only between the hours of 08.00 to 17.30 Monday to Friday inclusive and 08.00 to 13.30 on Saturdays.
- 1.7.2 The facility shall be operated only during the hours of 08.00 to 18.00 Monday to Friday inclusive and 08.00 to 14.00 on Saturdays, unless with the prior agreement of the Agency.
- 1.7.3 The facility shall not operate or accept/dispatch waste on Sundays or on Public Holidays without the agreement of the Agency.

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 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) not later than six months from the date of commencement of the Scheduled Activity. The EMS shall be reviewed annually and updated as necessary.

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 and maintain 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:

- (i) designation of responsibility for targets;
- (ii) the means by which they may be achieved;
- (iii) 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 Condition 11.9).

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 and maintain 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 Public Awareness and Communications Programme to ensure that members of the public and 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 structured 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. The programme shall identify the key indicator parameters for process control performance, as well as identifying methods for measuring and controlling these parameters. Abnormal process operating conditions shall be documented, and analysed to identify any 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 this licence in advance of the commencement of the licensed activities or as required by the conditions of this licence. Infrastructure specified in the application that relates to the environmental performance of the facility and is not specified in the licence, shall be installed in accordance with the schedule submitted in the application.

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 in advance of 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:
- (i) A description of the works;
 - (ii) As-built drawings of the works; and
 - (iii) Any other information requested in writing by the Agency.

3.3 Facility Notice Board

- 3.3.1 The licensee shall, within four months of the commencement of the Scheduled Activity, 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:
- (i) the name and telephone number of the facility;
 - (ii) the normal hours of opening;
 - (iii) the name of the licence holder;
 - (iv) an emergency out of hours contact telephone number;
 - (v) the licence reference number; and
 - (vi) 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 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.

3.5 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.

3.6 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.

3.7 Hazardous Waste Storage Areas and Tank, Container and Drum Storage Areas

- 3.7.1 All hazardous waste storage areas and all tank, container and drum storage areas shall be rendered impervious to the materials stored therein. Bunds should be designed having regard to Agency guidelines 'Storage and Transfer of Materials for Scheduled Activities' (2004).
- 3.7.2 All hazardous waste storage areas and all tank and drum storage areas shall, as a minimum, be banded, 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 banded area; or

- (ii) 25% of the total volume of substance that could be stored within the bunded area.
- 3.7.3 All drainage from bunded areas shall be treated as hazardous waste unless it can be demonstrated to be otherwise. All drainage from bunded areas shall be diverted for collection and safe disposal.
- 3.7.4 All inlets, outlets, vent pipes, valves and gauges must be within the bunded area.
- 3.7.5 All tanks, containers and drums shall be labelled to clearly indicate their contents.
- 3.7.6 The licensee shall undertake such appropriate measures as are necessary for the protection of tanks from damage by vehicles or trailers.
- 3.8 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.
- 3.9 Silt Traps and Oil Separators
- The licensee shall install and maintain silt traps and oil separators at the facility to ensure that all storm water run-off from hardstand areas of the facility and wastewater (excluding toilet and canteen wastewater) pass through a silt trap and oil separator in advance of discharge. For storm water discharges, the separator shall be a Class I full retention separator. For discharges to sewer, the separator shall be a Class II full retention separator. The silt traps and separator shall be in accordance with I.S. EN 858-2:2003 (separator systems for light liquids).
- 3.10 Fire-water Retention
- 3.10.1 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.
- 3.10.2 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.
- 3.10.3 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 3.9.1 and 3.9.2 above.
- 3.11 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) prior to use.
- 3.12 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 Environmental Objectives and targets set out in Condition 2.2.2.2 of this licence for the reduction in fugitive emissions.
- 3.13 The licensee shall, in advance 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.
- 3.14 Light fuel oil (with a sulphur content not exceeding 0.1% by mass), natural gas or biodiesel meeting CEN standard EN14214 shall be used in the boiler on site.
- 3.15 Facility Security
- 3.15.1 Security and stockproof fencing and gates shall be installed and maintained. The base of the fencing shall be set in the ground.
- 3.15.2 Gates shall be locked shut when the facility is unsupervised.

- 3.15.3 The licensee shall remedy any defect in the gates and/or fencing as follows:
- (i) A temporary repair shall be made by the end of the working day; and
 - (ii) A repair to the standard of the original gates and/or fencing shall be undertaken within three working days.
- 3.16 Facility Roads and Site Surfaces
- 3.16.1 Effective site roads shall be provided and maintained to ensure the safe and nuisance-free movement of vehicles within the facility.
- 3.16.2 The licensee shall provide and maintain an impermeable concrete surface in the areas of the facility shown on Drawing Figure No. 2.2 - *Proposed Site Layout* of the EIS; the surfaces shall be concreted and constructed to British Standard 8110 or an alternative as agreed by the Agency. The licensee shall remedy any defect in concrete surfaces within five working days.
- 3.16.3 Traffic layout at the facility shall be such that emergency services vehicles shall have access to all parts of the facility at all times.
- 3.17 Facility Office
- 3.17.1 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.
- 3.17.2 The licensee shall provide and maintain a working telephone and a method for electronic transfer of information at the facility.
- 3.18 Waste Inspection and Quarantine Areas
- 3.18.1 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 facility buildings.
- 3.18.2 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.
- 3.18.3 The waste quarantine area shall be bunded and surfaced to deal with spillages. All drainage from this area shall be collected for safe disposal.
- 3.19 Weighbridge and Vehicle Wash Area
- 3.19.1 The licensee shall provide and maintain a weighbridge and a vehicle wash area at the facility.
- 3.19.2 The vehicle wash area shall be used by vehicles leaving the facility, where necessary, to ensure that no wastewater or waste is carried off-site. All water from the wheel cleaning area shall be directed to the trade effluent drainage network.
- 3.19.3 The vehicle wash shall be inspected on a daily basis and drained as required. Silt, stones and other accumulated material shall be removed as required from the wheel-wash and disposed of appropriately.
- 3.20 Waste handling, ventilation and processing plant
- 3.20.1 Items of plant deemed critical to the efficient and adequate processing of waste at the facility (including *inter alia* waste-loading equipment) shall be provided on the following basis:
- (i) 100% duty capacity;
 - (ii) 20% standby capacity available on a routine basis; and
 - (iii) Provision of contingency arrangements and/or backup and spares in the case of breakdown of critical equipment.
- 3.20.2 In advance of the commencement of 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 A2: Waste Acceptance*, of this licence.

- 3.20.3 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.
- 3.21 Groundwater
- 3.21.1 The licensee shall, within twelve months of the date of grant of this licence, submit a groundwater monitoring programme for agreement by the Agency. This programme shall include the proposed location(s) of the monitoring well(s) to provide for representative sampling of groundwater.
- 3.21.2 Groundwater monitoring well(s) shall be constructed having regard to the guidance given in the Agency's landfill manual "Landfill Monitoring".
- 3.22 Odour/Dust Control
- 3.22.1 In advance of the date of commencement of the waste activities at the facility, the licensee shall install and provide adequate measures for the control of odours and dust emissions, including fugitive dust emissions, from the facility. Such measures shall at a minimum include the following:
- (i) Fast-action doors (or equivalent agreed by the Agency) shall be fitted and maintained on the vehicle entry/exit points of the Industrial Process Building and Industrial Delivery Building; all other doors shall be kept closed where possible.
 - (ii) Provision of 100% duty capacity and 20% standby capacity, backups and spares must be provided for the air handling, ventilation and abatement plant.
- 3.23 Operational Controls
- The licensee shall provide and use adequate lighting during the operation of the facility in hours of darkness.
- 3.24 All sanitary effluent sewer and trade effluent 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, within three months of the date of commencement of the Scheduled Activity. These colour codes shall be maintained so as to be visible at all times during facility operation, and any identification designated in this licence (e.g. SW1) shall be inscribed on these manholes.
- 3.25 Contaminated Soils
- 3.25.1 No processing of contaminated soils shall take place at the facility.
- 3.25.2 Unless otherwise agreed in writing by the Agency the licensee shall store a maximum of 100 tonnes of contaminated soil at the facility at any time.
- 3.25.3 All contaminated soils shall be stored in a designated, bunded, indoor area. Any drainage from this area shall be diverted for collection and safe disposal.

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 atmosphere in this licence shall be interpreted in the following way:
- 4.1.2 Non-Continuous Monitoring
- (i) For any parameter where, due to sampling/analytical limitations, a 30 minute sample is inappropriate, a suitable sampling period should be employed and the value obtained therein shall not exceed the emission limit value.
 - (ii) For flow, no hourly or daily mean value, calculated on the basis of appropriate spot readings, shall exceed the relevant limit value.

- (iii) For all other parameters, no 30 minute mean value shall exceed the emission limit value.
- 4.2 The concentration and volume flow limits for emissions to atmosphere specified in this licence shall be achieved without the introduction of dilution air and shall be based on gas volumes under standard conditions of:
- 4.2.1 In the case of non-combustion gases:
Temperature 273K, Pressure 101.3 kPa (no correction for oxygen or water content).
 - 4.2.2 In the case of combustion gases:
Temperature 273K, Pressure 101.3 kPa, dry gas; 3% oxygen for liquid and gas fuels.
- 4.3 Emission limit values for emissions to sewer/waters in this licence shall be interpreted in the following way:
- 4.3.1 Continuous Monitoring
 - (i) No flow value shall exceed the specified limit.
 - (ii) No pH value shall deviate from the specified range.
 - (iii) No temperature value shall exceed the limit value.
 - 4.3.2 Composite Sampling
 - (i) No pH value shall deviate from the specified range.
 - (ii) For parameters other than pH, temperature and flow, eight out of ten consecutive composite results, calculated as daily mean concentration and mass emission values on the basis of 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.
 - 4.3.3 Discrete Sampling
 - (i) For parameters other than pH and temperature, no grab sample value shall exceed 1.2 times the emission limit value.
- 4.4 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.
- 4.5 Noise from the facility shall not give rise to sound pressure levels (Leq, T), measured at the boundary of the facility, which exceed the limit value(s).
- 4.6 Dust and particulate matter from the activity shall not give rise to deposition levels that exceed the limit value.

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 No emissions, including odours, from the activities carried on at the site shall result in an impairment of, or an interference with amenities or the environment beyond the facility boundary or any other legitimate uses of the environment beyond the facility boundary.
- 5.3 No substance shall be discharged in a manner, or at a concentration, that, following initial dilution, causes tainting of fish or shellfish.
- 5.4 The licensee shall ensure that dust or mud 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.

- 5.4.1 The licensee shall, at a minimum of one week intervals, inspect the facility and its immediate surrounds for nuisances caused by litter, mud, dust and odours. The licensee shall maintain a record of all nuisance inspections and any actions taken as a result of these inspections.
- 5.5 There shall be no direct emissions to groundwater.
- 5.6 Emissions to Sewer
- 5.6.1 The licensee shall at no time discharge or permit to be discharged into the sewer any liquid matter or thing that is or may be liable to set or congeal at average sewer temperature or is capable of giving off any inflammable or explosive gas or any acid, alkali or other substance in sufficient concentration to cause corrosion to sewer pipes, penstock and sewer fittings or the general integrity of the sewer.
- 5.6.2 Materials classifiable as "Hazardous Wastes" under the Waste Management Acts, 1996 to 2008, shall not be discharged to sewer.
- 5.6.3 Trade effluent shall be screened prior to discharge to remove gross solids and avoid blockages in the sewer.
- 5.6.4 The licensee shall ensure that the discharge does 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.
- 5.6.5 Non-trade effluent wastewater (e.g. firewater, accidental spillages) which occurs on site shall not be discharged to the sewer without the prior authorisation of the Agency and the Water Services Authority.
- 5.6.6 The licensee shall maintain, or have maintained, the effluent treatment system, to comply with the conditions of this licence. Records of maintenance and desludging operations shall be kept on site for inspection.
- 5.6.7 No substance shall be present in such concentrations as would constitute a danger to sewer maintenance personnel working in the sewerage system or would be damaging to the fabric of the sewer, or would interfere with the biological functioning of a downstream wastewater treatment plant.
- 5.7 Unless otherwise agreed by the Agency, no trade effluent, leachate and/or contaminated storm water shall be discharged to surface water drains and surface water courses.

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 Water Services Authority in accordance with Section 52 of the Waste Management Acts 1996 to 2008.

Condition 6. Control and Monitoring

- 6.1 The licensee shall carry out such sampling, analyses, measurements, examinations, maintenance and calibrations as set out below and as 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.
- 6.1.1 Analysis shall be undertaken by competent staff in accordance with documented operating procedures;
- 6.1.2 Such procedures shall be assessed for their suitability for the test matrix and performance characteristics determined;
- 6.1.3 Such procedures shall be subject to a programme of Analytical Quality Control using control standards with evaluation of test responses;
- 6.1.4 Where analysis is sub-contracted it shall be to a competent laboratory.



- 6.2 The licensee shall ensure that:
- (i) sampling and analysis for all parameters listed in the Schedules to this licence, and
 - (ii) any reference measurements for the calibration of automated measurement systems,
- shall be carried out in accordance with CEN-standards. If CEN standards are not available, ISO, national or international standards which will ensure the provision of data of an equivalent scientific quality shall apply.
- 6.3 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.
- 6.4 Monitoring and analysis equipment shall be operated and maintained as necessary so that monitoring accurately reflects the emission/discharge or ambient conditions.
- 6.5 The licensee shall ensure that groundwater monitoring well sampling equipment is available/installed on-site and is fit for purpose at all times, following installation of the on-site monitoring well(s). The sampling equipment shall be to Agency specifications.
- 6.6 All treatment/abatement and emission control equipment shall be calibrated and maintained in accordance with the instructions issued by the manufacturer/supplier or installer. The licensee shall maintain records of the calibrations and maintenance.
- 6.7 The frequency, locations, methods and scope of monitoring, sampling and analyses, as set out in this licence, may be amended subject to agreement of the Agency following evaluation of test results.
- 6.8 The licensee shall prepare a programme, to the satisfaction of the Agency, for the identification and reduction of fugitive emissions using an appropriate combination of best available techniques. This programme shall be included in the Environmental Management Programme.
- 6.9 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 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.
- 6.10 The drainage system (i.e., gullies, manholes, any visible drainage conduits and such other aspects as may be agreed) and 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.
- 6.11 An inspection for leaks on all flanges and valves on over-ground pipes used to transport materials other than water shall be carried out weekly.
- 6.12 Storm Water
- 6.12.1 Surface water run-off from the vehicle wash area and the weighbridge area shall be discharged to the trade effluent drainage network.
 - 6.12.2 Surface water run-off from all areas other than the weighbridge area and the vehicle wash area shall be discharged to the surface water drainage network.
 - 6.12.3 A visual examination of the storm water discharge shall be carried out weekly. A log of such inspections shall be maintained.

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- 6.12.4 The licensee shall, in the event of a spillage or fire at the facility, operate the manual shut off valve on the surface water system to prevent contaminated liquid from entering the surface water drainage network.
- 6.13 Processing of Wastes
- 6.13.1 The processing of wastes shall be as described in Chapter 2 '*Description of the Proposed Development*' of the EIS submitted with the application, unless otherwise agreed by the Agency.
- 6.13.2 The heating of oil wastes, wastes of liquid fuels and waste containing oil shall be carried out at the appropriate temperature so as to avoid their combustion. A safety cut-off temperature detection unit shall be installed on all heating tanks, which shall be calibrated annually. A calibration certificate shall be submitted as part of the AER.
- 6.13.3 The oil waste, wastes of liquid fuel and/or waste containing oil, processed at the facility, which fails to meet a product specification or standard as agreed by the Agency, shall be reprocessed on-site or sent off-site for recovery or disposal at an appropriate facility.
- 6.14 Wastewater Management
- 6.14.1 Discharge of process wastewater to the trade effluent drainage network shall cease in the event of a breakdown of the oil/water separation system and the wastewater shall be diverted to on-site storage tanks.
- 6.14.2 Wastewater that is unsuitable for discharge to sewer shall be stored in on-site storage tanks prior to being tankered off-site in fully enclosed road tankers for disposal at an agreed Wastewater Treatment Plant or other authorised facility as agreed by the Agency.
- 6.15 The licensee shall carry out a noise survey of the site operations annually. The survey programme shall be undertaken in accordance with the methodology specified in the 'Environmental Noise Survey Guidance Document' as published by the Agency.
- 6.16 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.
- 6.17 The licensee shall, within six months of 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.
- 6.18 The licensee shall permit authorised persons, of the Agency and Water Services Authority, to inspect, examine and test, at all reasonable times, any works and apparatus installed in connection with the process effluent and to take samples of the process effluent.
- 6.19 Litter Control
- 6.19.1 All 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 am of the next working day after such waste is discovered.
- 6.19.2 The licensee shall ensure that all vehicles delivering waste to and removing waste and materials from the facility are appropriately covered.
- 6.19.3 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 material shall be removed without delay.
- 6.20 Dust
- 6.20.1 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.

- 6.20.2 The licensee shall carry out monitoring of the ambient dust levels as may be required by the Agency.
- 6.21 Operational Controls
 - 6.21.1 No waste shall have a retention time at the facility in excess of six months, unless otherwise agreed by the Agency.
 - 6.21.2 The floor of the Industrial Process Building and Industrial Delivery Building shall be washed down and cleared of all waste on a regular basis or at such time intervals as agreed by the Agency.
 - 6.21.3 Scavenging shall not be permitted at the facility.
 - 6.21.4 All tanks and drums shall be labelled to clearly indicate their contents.
 - 6.21.5 The licensee shall provide and use adequate lighting during the operation of the facility in the hours of darkness.
 - 6.21.6 The licensee shall take precautions to prevent accidental ignition or reaction of ignitable or reactive wastes. The waste shall be separated and protected from sources of ignition or reaction including but not limited to: open flames, smoking, cutting and welding, hot surfaces, frictional heat, sparks (static, electrical or mechanical), spontaneous ignition (e.g. heat-producing chemical reactions) and radiant heat.
 - 6.21.7 There shall be no unauthorised public access to the facility.
 - 6.21.8 No waste shall be stored outdoors without the prior agreement of the Agency.
- 6.22 The licensee shall, within twelve months of commencement of the Scheduled Activity, provide an Odour Assessment Report to the Agency. The report shall as a minimum:
 - (i) Identify and quantify sources of odorous emissions;
 - (ii) Identify the remedial measures necessary to eliminate, control and contain odours, as appropriate;

A suitably qualified person shall undertake the odour assessment and the report shall include recommendations, as appropriate. Any recommendations contained in the report shall be carried out within a timeframe to be agreed by the Agency. Odour assessment shall be repeated at intervals as required by the Agency.
- 6.23 The licensee shall establish and maintain a procedure for assessment and replacement of the carbon filters fitted on the breathing vents of the waste reception/balance tanks.
- 6.24 The licensee shall prepare and implement a documented procedure to prevent waste oil, containing PCBs, and antifreeze, containing dangerous substances, being mixed with other waste.
- 6.25 Waste oil, containing PCBs, and antifreeze, containing dangerous substances, shall be stored in separate containers in a dedicated bunded area, prior to being sent off-site for recovery or disposal at an appropriate facility.

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 Water Services Authority in accordance with Section 52 of the Waste Management Acts 1996 to 2008.*

Condition 7. Resource Use and Energy Efficiency

- 7.1 The licensee shall carry out an audit of the energy efficiency of the site within one year 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 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 All waste processing shall be carried out indoors, in a designated building appropriate for the waste stream.
- 8.2 Disposal or recovery of waste on-site shall only take place in accordance with the conditions of this licence and in accordance with the appropriate National and European legislation and protocols.
- 8.3 Waste sent off-site for recovery or disposal shall be transported only by an authorised waste contractor. The waste shall be transported from the site of the activity to the site of recovery/disposal only in a manner that will not adversely affect the environment and in accordance with the appropriate National and European legislation and protocols.
- 8.4 The licensee shall ensure that waste in advance of 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.
- 8.5 The loading and unloading of materials shall be carried out in designated areas protected against spillage and leachate run-off.
- 8.6 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.
- 8.7 No waste classified as green list waste in accordance with the EU Transfrontier Shipment of Waste Regulations (Council Regulation EEC No. 1013/2006, as may be amended) shall be consigned for recovery without the agreement of the Agency.
- 8.8 Waste for disposal/recovery off-site shall be analysed in accordance with *Schedule C: Control & Monitoring* of this licence.
- 8.9 Waste Acceptance and Characterisation Procedures
- 8.9.1 Waste shall only be accepted at the facility from Local Authority waste collection or transport vehicles or holders of waste permits, unless exempted or excluded, issued under the Waste Management (Collection Permit) Regulations 2007. Copies of these waste collection permits shall be maintained at the facility.
- 8.9.2 In advance of commencement of waste acceptance at the facility, the licensee shall establish and maintain detailed written procedures for the acceptance, handling, sampling of all wastes to include labelling, compatibility testing (as applicable), analysis, weighing, documentation, transfer, storage and record keeping
- 8.9.3 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 Industrial Delivery Building (Intake). Only after such inspections shall the waste be processed for recovery or disposal.
- 8.9.4 Hazardous wastes that are accepted at the facility as per *Schedule A: Waste Acceptance* of this licence shall be stored only at appropriately bunded locations at the facility.

- 8.9.5 Hazardous waste shall not be accepted at the facility unless;
- (i) The licensee has been notified in advance of the types of waste (including EWC Codes) and the date of delivery;
 - (ii) The waste has been appropriately categorised using the relevant EWC Codes;
 - (iii) An effective procedure for accepting and handling the waste is in place and satisfactory staff training in the implementation of that procedure has been undertaken;
 - (iv) The waste has been classified in accordance with the UN publication "Recommendations on the Transport of Hazardous Goods: Model Regulations" as amended and fully characterised. Where necessary, and particularly in the case of new customers or waste types, its characteristics and hazardous properties have been confirmed by sampling and analysis in advance of arrival at the facility;
 - (v) A suitable designated storage/waste acceptance area is immediately available at the Hazardous Waste Recovery Facility; and
 - (vi) A designated waste quarantine area is immediately available at the facility for any waste which does not conform with the pre-notification and which cannot be otherwise accepted at the facility.
- 8.9.6 All waste deemed unsuitable for processing at the facility and/or in contravention of this licence shall be immediately separated and removed from the facility at the earliest possible time. Temporary storage of such wastes shall be in a designated Waste Quarantine Area. Waste shall be stored under appropriate conditions in the quarantine area to avoid putrefaction, odour generation, the attraction of vermin and any other nuisance or objectionable condition.
- 8.9.7 A record of all inspections of incoming waste loads shall be maintained.
- 8.9.8 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.
- 8.9.9 Contaminated soil arriving at the facility for storage shall be suitably covered in an enclosed container or skip.
- 8.10 Labelling of containers, drums and tanks
- 8.10.1 No container (including drums and tanks) whose contents are unknown and whose contents are not clearly displayed on the label, shall be accepted at the facility.
- 8.10.2 All containers, including waste and fuel storage tanks and drums, shall be labelled to clearly indicate their contents. During storage, each container shall be accessible and shall be so placed to allow for the reading of the label.
- 8.10.3 All hazardous waste containers shall be uniquely marked with an identification code using indelible or other permanent or electronic markings. All containers shall be marked or labelled to clearly indicate their contents. All previous markings and labels shall be defaced or crossed out.
- 8.11 Waste Transfer and Repackaging
- 8.11.1 All containers accepted at the facility shall be whole and sound. Any leaking or otherwise ruptured drums or containers shall immediately be overdrummed or the contents transferred to a sound container in a manner that will not adversely affect the environment. This operation shall only be carried out in bunded areas such that any spillage arising from the activity may be contained and collected.
- 8.11.2 All operations involving the transfer of contents referred to in Condition 8.11.1 shall take place indoors, protected against spillage, in a designated area to be agreed by the Agency. Appropriate control measures shall be put in place to minimise any emissions which may arise from such activity.

- 8.12 Blending/Mixing/Bulking of Hazardous Wastes
- 8.12.1 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.
- 8.12.2 Blending or mixing of hazardous liquid waste shall only be carried out inside the Industrial Delivery Building/Industrial Process Building.
- 8.12.3 The procedures to be in place under Condition 8.9.5(iii) shall consider any compatibility testing that may be required for blending, mixing or bulking of hazardous wastes, including, as far as is possible, the identification of any potentially abnormal or unusual situations.
- 8.12.4 Records shall be maintained of all compatibility tests carried out.

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, in advance of the commencement of the Scheduled Activity, ensure that a documented Accident Prevention Procedure is in place that 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, in advance of the date of commencement of the Scheduled Activity, ensure that a documented Emergency Response Procedure is in place that shall address any emergency situation that 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 breakdown of equipment or any other occurrence which results in the closure of the Industrial Delivery or Industrial Process Building, 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 facility is returned to a fully operational status. Such a breakdown event will be treated as an emergency and rectified as soon as possible.

- 9.4.2 All significant spillages occurring at the facility shall be treated as an emergency situation and immediately cleaned up and dealt with so as to alleviate their effects.
- 9.4.3 The licensee shall establish and maintain a spillage control procedure
- 9.4.4 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.
- 9.4.5 The licensee shall, within three months of the commencement of the Scheduled Activity, prepare and implement procedures for the activation of the shut off valve on the storm water and trade effluent drainage network. These procedures shall address any emergency situation that may originate on-site that requires the operation of the storm water or trade effluent shut off valve.

Reason: To provide for the protection of the environment.

Condition 10. Decommissioning Management

- 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 Decommissioning 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 in advance of the commencement of the 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.
- 10.2.3 The licensee shall have regard to the Environmental Protection Agency Guidance on Environmental Liability Risk Assessment, Residuals Management Plans and Financial Provision when implementing Condition 10.2.1 above.
- 10.3 The Decommissioning Management Plan shall include, as a minimum, the following:
- (i) A scope statement for the plan.
 - (ii) The criteria that define the successful decommissioning of the activity or part thereof, which ensures minimum impact on the environment.
 - (iii) A programme to achieve the stated criteria.
 - (iv) Where relevant, a test programme to demonstrate the successful implementation of the decommissioning management plan.
 - (v) Details of the costings for the plan and the financial provisions to underwrite those costs.
- 10.4 A final validation report to include a certificate of completion for the Decommissioning 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 in advance, of the intended date of commencement of acceptance of waste for the Scheduled Activity at the facility (wastes used in the facility construction excepted).
- 11.2 The licensee shall notify the Agency by both telephone and facsimile, if available, to the Agency's headquarters in Wexford, 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:
- (i) Any release of environmental significance to atmosphere from any potential emission point including bypasses.
 - (ii) Any emission that does not comply with the requirements of this licence.
 - (iii) 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.
 - (iv) 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 Agency, Local Authority and Water Services 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 notify the Local Authority of any incident with the potential for environmental contamination of surface water or groundwater, or posing a threat to land, or requiring an emergency response by the Local Authority.
- 11.6 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.
- 11.7 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, (if provided), 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 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) up to date site drawings/plans showing the location of key process and environmental infrastructure, including monitoring locations and emission points;
 - (vii) all waste acceptance procedures produced by the licensee which relate to the licensed activities.
 - (viii) 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;
 - (ix) Any elements of licence application or EIS documentation referenced in this licence and this documentation shall be available to the Agency for inspection at all reasonable times.
- 11.10 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 F: Annual Environmental Report* of this licence and shall be prepared in accordance with any relevant guidelines issued by the Agency.
- 11.11 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) The name of the waste facility (if appropriate) from which incoming waste loads originated, including the waste licence or waste permit register number.
 - (iv) 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.
 - (v) Written confirmation of the acceptance and disposal/recovery of any hazardous waste consignments sent off-site.
 - (vi) 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. 419/2007). The rationale for the classification must form part of the record.
 - (vii) Where applicable, a consignment note number (including Transfrontier Shipment notification and movement/tracking form numbers, as appropriate).
 - (viii) Details of any rejected consignments.
 - (ix) Details of any approved waste mixing.
 - (x) The results of any waste analyses required under *Schedule C: Control & Monitoring*, of this licence.
 - (xi) The tonnages and EWC Code for the waste materials recovered/disposed on-site.
- 11.12 The licensee shall submit report(s) as required by the conditions of this licence to the Agency's Headquarters in Wexford, or to such other Agency office as may be specified by the Agency.
- 11.13 All reports shall be certified accurate and representative by the facility manager or a nominated, suitably qualified and experienced deputy.
- 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 Wastewater 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 The following records shall be maintained by the licensee:-
- (i) the types and quantities of waste recovered at the facility each year. These records shall include the relevant EWC codes and any details required to complete national reports on waste statistics;
 - (ii) all training undertaken by facility staff;
 - (iii) results from all integrity tests of bunds and other structures and any maintenance or remedial works arising from them;
 - (iv) details of all nuisance inspections; and
 - (v) the name and qualifications of all persons who carry out all sampling and monitoring as required by this licence and who carry out the interpretation of the results of such sampling and monitoring.
- 11.16 The licensee shall submit trade effluent discharge monitoring results to the Water Services Authority on a quarterly basis. A summary of these monitoring results shall be submitted to the Agency annually as part of the AER.

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 €18,413, 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 2008. The first payment shall be a pro-rata amount for the period from the date of commencement of enforcement to the 31st day of December, and shall be paid to the Agency within one month from commencement of enforcement. 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 2008, 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 Water Services Authority Charges

The licensee shall pay to the Water Services Authority such sum as may be determined from time to time, in accordance with the Mogden Formula or other method agreed by the Water Services Authority, having regard to the variations in the cost of providing drainage and the variation in effluent reception, treatment and monitoring costs. Payment to be made quarterly, 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 Decommissioning Management Plan. A report on this assessment shall be submitted to the Agency for agreement in advance of the commencement of the 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 (the results of the review shall be notified as part of the AER).
- 12.3.3 In advance of the commencement of the activity, 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.
- 12.3.4 The licensee shall have regard to the Environmental Protection Agency Guidance on Environmental Liability Risk Assessment, Residuals Management Plans and Financial Provision when implementing Conditions 12.3.2 and 12.3.3 above.

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 Water Services Authority in accordance with Section 52 of the Waste Management Acts 1996 to 2008.

SCHEDULE A: Limitations

A.1 Waste Activities

The following waste related processes are authorised:

- i. Blending or mixing of oil wastes, wastes of liquid fuels and waste containing oils prior to physical and chemical treatment;
- ii. Physical and chemical treatment of wastes;
- iii. Filtering and dewatering of oily wastes and waste oils;
- iv. Recycling or reclamation of organic substances, metals or inorganic materials;
- v. Packaging, handling, storage and transfer of waste.

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



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A.2 Waste Acceptance

Table A.2 Waste Categories and Quantities

Waste Type ^{Note 1}		Maximum (Tonnes Per Annum)
Non-Hazardous Wastes ^{Note 2}	Coolant/Emulsions 16 01 15 antifreeze fluids other than those mentioned in 16 01 14	5,500
	Non-Hazardous Waste Total	5,500
Hazardous Wastes	Oil Wastes, Wastes of Liquid Fuels & Waste Containing Oil 13 01 01* ^{Note 3} 13 02 04* 13 03 01* 13 04 01* 13 01 04* 13 02 05* 13 03 06* 13 04 02* 13 01 05* 13 02 06* 13 03 07* 13 04 03* 13 01 09* 13 02 07* 13 03 08* 13 01 10* 13 02 08* 13 03 09* 13 01 11* 13 03 10* 13 01 12* 13 01 13* 13 05 01* 13 07 01* 13 08 01* 05 01 05* 13 05 02* 13 07 02* 13 08 02* 05 01 06* 13 05 03* 13 07 03* 13 08 99* 15 02 02* 13 05 06* 16 07 08* 13 05 07* 13 05 08*	27,500 ^{Note 4}
	Coolants/Emulsions 16 01 14* antifreeze fluids containing dangerous substances	
	Oil Filters 16 01 07* Oil filters from end of life vehicles	3,000 ^{Note 4}
	Contaminated Soils ^{Note 5} 17 05 03* soil and stones containing dangerous substances 17 05 05* dredging spoil containing dangerous substances 17 05 07* track ballast containing dangerous substances 19 13 01* solid wastes from soil remediation containing dangerous substances. 19 13 03* sludges from soil remediation containing dangerous substances. 19 13 05* sludges from groundwater remediation containing dangerous substances.	1,000 ^{Note 6}
	Hazardous Waste Total	31,500
	TOTAL	37,000

Note 1: Only wastes with "European Waste Catalogue and Hazardous Waste List" codes listed in this table are to be accepted at the facility, unless otherwise agreed in advance by the Agency.

Note 2: Any proposals to accept other compatible non-hazardous waste types must be agreed in advance by the Agency.

Note 3: No processing of waste with the EWC Codes 13 01 01, 13 03 01 and 16 01 14 shall take place at the facility. The licensee is limited to the acceptance and temporary storage only of these wastes.

Note 4: The limitation on the quantity of *oil wastes, wastes of liquid fuels & waste containing oil* and *oil filters* may be varied with the agreement of the Agency subject to the total limit for hazardous waste staying the same.

Note 5: No processing of contaminated soils shall take place at the facility.

Note 6: The maximum quantity of contaminated soils held at the facility shall not exceed 100 tonnes at any one time.

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.



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B.3 Emission to Sewer

Emission Point Reference No.: SE-1
 Name of Receiving Waters: South Dublin County Council Sewer
 Location: Foul sewer to the west of the buildings
 (302355E, 228327N)
 Volume to be emitted: Maximum in any one day: 150 m³
 Maximum rate per hour: 21.6 m³

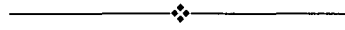
Parameter	Emission Limit Value	
Temperature	42°C (max.)	
pH	6 - 10	
	Daily Mean Concentration mg/l	Daily Mean Loading kg/day
BOD	800	120 ^{Note 1}
COD	1,600	240
Suspended Solids	400	60.0
Oils, Fats and Greases	100	15.0
Sulphates (as SO ₄)	600	90.0
Chlorides (as Cl)	3,500	525.0
Mineral Oils	10	1.5
Detergents	100	15.0
Benzene	1	0.15
Toluene	1	0.15
Ethyl Benzene	1	0.15
o/p/m Xylenes	1	0.15
Total PAH's (Total of 16) ^{Note 2}	1	0.15
Phenols	1	0.15
Total Nitrogen (as N)	75	11.25
Total Phosphorus (as P)	25	3.75
Iron (as Fe)	10	1.5
Tin (as Sn)	2	0.3
Zinc (as Zn)	3	0.45
Copper (as Cu)	1	0.15
Nickel (as Ni)	1	0.15
Chromium (as Cr)	1	0.15
Arsenic (as As)	0.5	0.08
Lead (as Pb)	0.2	0.03
Mercury (as Hg)	0.1	0.02

Note 1: Population Equivalent (p.e.) of 2,000.

Note 2: Total PAHs shall be determined as the total of the following sixteen compounds: - Naphthalene, Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Dibenzo(a,h)anthracene, Benzo(ghi)perylene and Indeno(123-cd)pyrene.

B.4 Storm Water Emissions

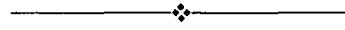
There shall be no Storm Water Emissions of environmental significance.



B.5 Noise Emissions

Daytime dB(A) L _{Aeq} (15 minutes)	Night-time dB(A) L _{Aeq} (15 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 the facility boundary.



B.6 Ambient Air Limits

Monitoring location(s) to be agreed in advance by the Agency.

Parameter	Level (mg/m ³ per day) ^{Note 1}
Total Dust Deposition ^{Note 2}	350

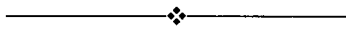
Note 1: 30 day composite sample with the results expressed as mg/m³ per day.

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

SCHEDULE C: Control & Monitoring

C.1.1 Control of Emissions to Air

There shall be no emissions to air of environmental significance.

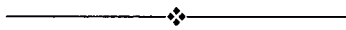


C.1.2 Monitoring of Emissions to Air

Emission Point Reference No.: A1-1

Location: Boiler (302380E, 228348N)

Parameter	Monitoring Frequency	Analysis Method/Technique
NO _x	Annually	Flue gas analyser
Combustion efficiency	Annually	Flue gas analyser



C.2.1 Control of Emissions to Water

There shall be no emissions to water of environmental significance.



C.2.2 Monitoring of Emissions to Water

There shall be no emissions to water of environmental significance.



C.3.1 Control of Storm Water Emissions

Emission Control Location: SW1 - Surface water discharge point

Description of Treatment: Silt trap / Oil separator

Control Parameter	Monitoring	Key Equipment ^{Note 1}
Oil removal	Mineral oil content in water at discharge point	Class I Full Retention Oil Interceptor
Suspended solids		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 Storm Water Emission

Emission Point Reference No.: SW1

Parameter	Monitoring Frequency	Analysis Method/Technique
Visual Inspection ^{Note 2}	Weekly	Sample and examine for colour and odour
COD	Quarterly	Standard Method ^{Note 1}
Suspended Solids	Quarterly	Standard Method ^{Note 1}
Mineral Oils	Quarterly	Standard Method ^{Note 1}

Note 1: Analysis to 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.



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C.4.1 Control of Emissions to Sewer

Emission Point Reference No.: SE-1

Description of Treatment: Wastewater Treatment

Equipment: Water treatment, oil recovery and sludge processing

Control Parameter	Monitoring	Key Equipment <small>Note 1</small>
Suspended Solids/ Contaminant Removal	Daily Inspection	Screen
Liquid Waste Transfer	Daily Inspection	Pump
Temperature – Steam supply (De-emulsifier tank)	Daily Inspection	De-emulsifier tank
Suspended Solids Removal (Waste Oil Processing)	Daily Inspection	Mechanical Clarifier Polymer dosing pump
Suspended Solids Removal (Oil mixes Processing)	Daily Inspection	Flocculation tank Polymer dosing pump Mechanical mixing
Dissolved Air Floatation (DAF)	Daily Inspection	Air supply pump
Oil/Water Separation	Daily Inspection	Clarifier centrifuge
Effluent Transfer	Daily Inspection	Pump
Sludge Removal	Daily Inspection	Pump
Sludge Dewatering	Daily Inspection	Decanter

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



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C.4.2 Monitoring of Emissions to Sewer

Emission Point Reference No.: SE-1

Parameter	Monitoring Frequency	Analysis Method/Technique
Flow	Continuous	On-line flow meter with recorder
Temperature	Continuous	On-line temperature probe with recorder
pH	Continuous	pH electrode/meter and recorder
BOD	Monthly ^{Note 1}	Standard Method
COD	Monthly ^{Note 1}	Standard Method
Suspended Solids	Monthly ^{Note 1}	Standard Method
Oils, Fats and Greases	Monthly ^{Note 2}	Standard Method
Sulphates (as SO ₄)	Monthly ^{Note 1}	Standard Method
Chlorides (as Cl)	Monthly ^{Note 1}	Standard Method
Mineral Oils	Monthly ^{Note 1}	Standard Method
Detergents	Monthly ^{Note 1}	Standard Method
Benzene	Monthly ^{Note 1}	Standard Method
Toluene	Monthly ^{Note 1}	Standard Method
Ethyl Benzene	Monthly ^{Note 1}	Standard Method
o/p/m Xylenes	Monthly ^{Note 1}	Standard Method
Total PAH's ^{Note 3}	Monthly ^{Note 1}	Standard Method
Phenols	Monthly ^{Note 1}	Standard Method
Total Nitrogen (as N)	Monthly ^{Note 1}	Standard Method
Total Phosphorus (as P)	Monthly ^{Note 1}	Standard Method
Iron (as Fe)	Monthly ^{Note 1}	Standard Method
Tin (as Sn)	Monthly ^{Note 1}	Standard Method
Zinc (as Zn)	Monthly ^{Note 1}	Standard Method
Copper (as Cu)	Monthly ^{Note 1}	Standard Method
Nickel (as Ni)	Monthly ^{Note 1}	Standard Method
Chromium (as Cr)	Monthly ^{Note 1}	Standard Method
Arsenic (as As)	Monthly ^{Note 1}	Standard Method
Lead (as Pb)	Monthly ^{Note 1}	Standard Method
Mercury (as Hg)	Monthly ^{Note 1}	Standard Method

Note 1: All samples shall be collected on a 24 hour flow proportional composite sampling basis.

Note 2: Sample to be obtained by discrete sampling.

Note 3: Total PAHs shall be determined as the total of the following sixteen compounds: - Naphthalene, Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Dibenzo(a,h)anthracene, Benzo(ghi)perylene and Indeno(123-cd)pyrene.

C.5 Waste Monitoring

Waste Class	Frequency	Parameter	Method
Waste Oil	Per consignment Note 1	Heavy metals Chlorine Sulphur	Standard method Standard method Standard method
Sludge	Annually	Oil content Heavy metals	Standard method Standard method
Other Note 2			

Note 1: The frequency may be amended with the prior agreement of the Agency.
 Note 2: Analytical requirements to be determined on a case by case basis.

C.6 Noise Monitoring

Parameter	Monitoring Frequency	Analysis Method/Technique
L(A) _{eq} [15 minutes]	Annual	Standard Note 1
L(A) ₁₀ [15 minutes]	Annual	Standard Note 1
L(A) ₉₀ [15 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.7 Ambient Monitoring

As per Condition 6.20.2.

C.8 Groundwater Monitoring

Location: To be agreed by the Agency under Condition 3.21.1

Parameter ^{Note 1}	Monitoring Frequency	Analysis Method/Techniques
Mineral Oil	Biannually ^{Note 2}	Standard Method
BTEX	Biannually ^{Note 2}	Standard Method
List I/II organic substances (screen) ^{Note 3}	Biannually ^{Note 2}	Standard Method

- Note 1: All analyses shall be carried out by a competent laboratory using standard and internationally accepted procedures.
- Note 2: Monitoring to commence following the agreement of the groundwater monitoring programme under Condition 3.21.1.
- Note 3: Samples screened for the presence of organic compounds using gas chromatography/mass spectrometry (GC/MS) or other appropriate techniques and using the list I/II Substances from EU Directive 76/464/EEC and 80/68/EEC as a guideline. Recommended analytical techniques include: volatiles (US Environmental Protection Agency method 524 or equivalent), semi-volatiles (US EPA method 525 or equivalent), and pesticides (US EPA method 608 or equivalent).

SCHEDULE D: Specified Engineering Works

Specified Engineering Works
<p>Development of the facility including installation of waste-handling, processing, recycling/recovery infrastructure as well as any abatement system(s).</p> <p>Installation of drainage network including silt traps, oil interceptors, etc.</p> <p>Installation of dust/odour control measures.</p> <p>Any other works notified in writing by the Agency.</p>

SCHEDULE E: Reporting

Completed reports shall be submitted to:

The Environmental Protection Agency
Office of Environmental Enforcement
Regional Inspectorate
McCumiskey House
Richview
Clonskeagh Road
Dublin 14

or Any other address as may be specified by the Agency

Reports are required to be forwarded as required in the licence and as may be set out below:

Report	Reporting Frequency <small>Note 1</small>	Report Submission Date
Annual Environment Report (AER)	Annually	By 31st March of each year.
Environmental Management Systems Update	Annually	As part of the AER.
Record of incidents	As they occur	Within five days of the incident.
Specified Engineering Works reports	As they arise	In advance of the works commencing.
Bund, tank and container integrity assessment	Prior to use and thereafter every three years	Within one month of completion of initial assessment; thereafter as part of the AER.
Monitoring of trade effluent for Water Services Authority	Quarterly	Ten days after end of the quarter being reported on.
Monitoring of trade effluent summary report	Annually	As part of the AER.
Monitoring of surface water quality	Annually	As part of the AER.
Noise monitoring	Annually	As part of the AER.
Schedule of objectives & targets	-	Three months in advance of commencement of the Scheduled Activity.
Any other monitoring	As they occur	Within ten days of obtaining results.

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

SCHEDULE F: Annual Environmental Report

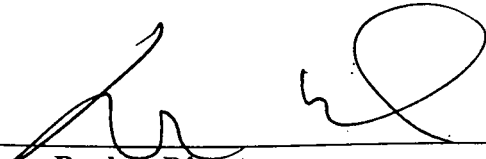
Annual Environmental Report Content ^{Note 1}

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.
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.
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 Decommissioning 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.

Sealed by the seal of the Agency on this the 8th day of September 2008.

PRESENT when the seal of the Agency
was affixed hereto:



Laura Burke, Director

LB