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WASTE LICENCE

Recommended Decision

Licence Register Number:	W0257-01
Company Register Number:	371457
Applicant/Licensee:	Country Clean Recycling Limited
Location of Facility:	Churchfield Industrial Estate, John F. Connolly Road, County Cork

INTRODUCTION

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

This licence sets out the conditions for the operation of a waste transfer station and material recovery facility for non-hazardous waste by Country Clean Recycling Limited, at the Churchfield Industrial Estate, County Cork.

The facility was previously operated under a waste facility permit from Cork City Council. This licence authorises the expansion of the facility to accommodate the acceptance and processing of up to 100,000 tonnes of waste per annum. The waste will consist of municipal solid waste, dry recyclable waste, construction and demolition waste, commercial and industrial waste and separately collect bio-waste.

All waste off-loading, handling and processing will be carried out inside the building. Waste processing will involve unloading, separation, sorting, crushing, trommelling, shredding, screening, baling and storage pending consignment off-site for re-use or further processing. Residual waste from the facility will be sent off-site for disposal at appropriately authorised facilities.

Storm water run-off from the facility roofs will be discharged to Cork City Council's storm water network without treatment. Storm water run-off from the hard standing areas around the site, wash down water from the waste transfer building and wash water from the wheel cleaning area will be directed through an oil separator (Class I – full retention), via an attenuation tank, into Cork City Council's foul water sewer network.

Mitigation measures will be employed to manage odour, dust and noise emissions from the waste activities. This includes the sealing of the waste transfer building structure and the installation of a negative air pressure system with the ventilated gases being subject to treatment by a biofilter or a suitable alternative as agreed by the Agency.

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

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Glossary of Terms

All terms in this licence should be interpreted in accordance with the definitions in the Environmental Protection Agency Acts 1992 to 2007 / Waste Management Acts 1996 to 2013, unless otherwise defined in the section.

Adequate lighting	20 lux measured at ground level.
AER	Annual Environmental Report.
Aerosol	A suspension of solid or liquid particles in a gaseous medium.
Agreement	Agreement in writing.
Annually	At approximately twelve-monthly intervals.
Application	The application by the licensee for this licence.
Appropriate Facility	A waste management facility, duly authorised under relevant law and technically suitable.
Attachment	Any reference to Attachments in this licence refers to attachments submitted as part of this licence application.
BAT	Best Available Techniques.
Biannually	At approximately six – monthly intervals.
Biodegradable Municipal Waste (BMW)	The biodegradable component of municipal waste, not including stabilised organic fines . Biodegradable municipal waste is typically composed of food and garden waste, wood, paper, cardboard and textiles.
Biodegradable Waste	Any waste that is capable of undergoing anaerobic or aerobic decomposition, such as food, garden waste, sewage sludge, paper and paperboard.
Bio-waste	Biodegradable garden and park waste, food and kitchen waste from households, restaurants, caterers and retail premises and comparable waste from food processing plants.
BOD	5 day Biochemical Oxygen Demand (without nitrification suppression).
cBOD	5 day Carbonaceous Biochemical Oxygen Demand (with nitrification suppression).
CEN	Comité Européen De Normalisation – European Committee for Standardisation.
Characterisation of waste	The sampling and analysis of waste to determine, amongst other things, its nature and composition, including the proportions of biodegradable, recyclable and other materials in the waste.
Classification of waste	The classification of waste as inert, non-hazardous or hazardous for the purpose of Article 4 of Council Directive (1999/31/EC) on the landfill of waste.
COD	Chemical Oxygen Demand.

Coding of waste	The allocation of a European Waste Catalogue/Hazardous Waste List code and a concise/standardised description of the waste, including information on the source of the waste, e.g. municipal, industrial, construction and demolition, etc.
Commercial Waste	As defined in Section 5(1) of the Waste Management Acts 1996 to 2013.
Construction and demolition (C&D) waste	Wastes that arise from construction, renovation and demolition activities: Chapter 17 of the EWC or as otherwise may be agreed.
Containment boom	A boom that can contain spillages and prevent them from entering drains or watercourses or from further contaminating watercourses.
CRO Number	Company Registration Office Number.
Daily	During all days of plant operation and, in the case of emissions, when emissions are taking place; with at least one measurement on any one day.
Day	Any 24 hour period.
Daytime	0700 hrs to 1900 hrs.
DO	Dissolved oxygen.
Documentation	Any report, record, results, data, drawing, proposal, interpretation or other document in written or electronic form which is required by this licence.
Drawing	Any reference to a drawing or drawing number means a drawing or drawing number contained in the application, unless otherwise specified in this licence.
Emission limits	Those limits, including concentration limits and deposition rates, established in <i>Schedule B: Emission Limits</i> , of this licence.
EMP	Environmental Management Programme.
Environmental damage	As defined 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.
Evening Time	1900hrs to 2300hrs.
Facility	Any site or premises used for the purpose 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.

Ha	Hectare.
HWL code	Hazardous Waste List code.
Heavy metals	This term is to be interpreted as set out in "Parameters of Water Quality, Interpretation and Standards" published by the Agency in 2001. ISBN 1-84095-015-3.
Hours of operation	The hours during which the facility is authorised to be operational.
Hours of waste acceptance	The hours during which the facility is authorised to accept waste.
ICP	Inductively coupled plasma spectroscopy.
Incident	The following shall constitute as 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) an action level, as determined under Condition 6.1.4, which is attained or exceeded;(v) any trigger level specified in this licence which is attained or exceeded; and,(vi) any indication that environmental pollution has, or may have, taken place.
Industrial waste	As defined in Section 5(1) of the Waste Management Acts 1996 to 2013.
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.
L_{Aeq,T}	This is the equivalent continuous sound level. It is a type of average and is used to describe a fluctuating noise in terms of a single noise level over the sample period (T).
Landfill Directive	Council Directive 1999/31/EC.
L_{A,r,T}	The Rated Noise Level, equal to the L _{Aeq} during a specified time interval (T), plus specified adjustments for tonal character and/or impulsiveness of the sound.
Licence	A Waste Licence issued in accordance with the Waste Management Acts 1996 to 2013.

Licensee	Country Clean Recycling Limited, Churchfield Industrial Estate, John F. Connolly Road, County Cork (CRO No. 371457).
Liquid waste	Any waste in liquid form and containing less than 2% dry matter.
List I	As listed in the EC Directives 2006/11/EC and 80/68/EEC and amendments.
List II	As listed in the EC Directives 2006/11/EC and 80/68/EEC and amendments.
Local Authority	Cork City Council.
Maintain	Keep in a fit state, including such regular inspection, servicing, calibration and repair as may be necessary to perform its function adequately.
Mass flow limit	An emission limit value 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 Solid Waste (MSW)	Household waste as well as commercial and other waste which, because of its nature or composition, is similar to household waste. Excluding municipal sludges and effluents.
Municipal waste	As defined in Section 5(1) of the Waste Management Acts 1996 to 2013.
Night-time	2300 hrs to 0700 hrs.
Noise-sensitive location (NSL)	Any dwelling house, hotel or hostel, health building, educational establishment, place of worship or entertainment, or any other <i>facility</i> or area of high amenity which for its proper enjoyment requires the absence of noise at nuisance levels.
NMP	Nutrient Management Plan.
Oil separator	Device installed according to the International Standard I.S. EN 858-2:2003 (Separator system for light liquids, (e.g. oil and petrol) – Part 2: Selection of normal size, installation, operation and maintenance).
Organic fines	The undersize fraction obtained from the mechanical treatment of mixed waste, characterised by a high organic content.
PRTR	Pollutant Release and Transfer Register.
Quarterly	At approximately three – monthly intervals.
Recyclable materials	Waste types, such as cardboard, batteries, gas cylinders etc, may be recycled.
Residual Waste	The fraction of collected waste remaining after a treatment or diversion step, which generally requires further treatment or disposal.
Sample(s)	Unless the context of this licence indicates to the contrary, the term samples shall include measurements taken 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. The expression 'separate at source' shall be construed accordingly.
Specified emissions	Emissions listed in <i>Schedule B: Emission Limits</i> , of this licence.
Specified Engineering Works	Engineering works listed in <i>Schedule D: Specified Engineering Works</i> of this licence.
Standard method	A National, European or internationally recognised procedure (e.g. 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 2013.
The Agency	Environmental Protection Agency.
TOC	Total organic carbon.
Trade effluent	Trade effluent has the meaning given in the Water Services Act, 2007.
Treatment/pre-treatment	In relation to waste, any manual, thermal, physical, chemical or biological processes that change the characteristics of waste in order to reduce its volume or hazardous nature or facilitate its handling, disposal or recovery.
Trigger level	A parameter value, the achievement or exceedance of which requires certain actions to be taken by the licensee.
Water Services Authority	Cork City Council.
WEEE	As defined in S.I. No. 340 of 2005.
Weekly	During all weeks of plant operation and, in the case of emissions, when emissions are taking place; with at least one measurement in any one week.
WWTP	Waste water treatment plant.

Decision & Reasons for the Decision

The Environmental Protection Agency is satisfied, on the basis of the information available, that subject to compliance with the conditions of this licence, any emissions from the activity will comply with and will not contravene any of the requirements of Section 40(4) of the Waste Management Acts 1996 to 2013.

In reaching this decision the Environmental Protection Agency has considered the documentation relating to the licence application Register Number: W0257-01. This includes supporting documentation received from the applicant, all submissions received from other parties, the report of the Licensing Inspector and the Environmental Impact Assessment (EIA) report.

It is considered that the EIA report (as included in the Inspector's Report dated 25th June 2013) contains a fair and reasonable assessment of the likely significant effects of the licensed activity on the environment. The assessment as reported is adopted as the assessment of the Agency. Having regard to this assessment, it is considered that the activity, if managed, operated and controlled in accordance with the licence will not result in the contravention of any relevant environmental quality standards or cause environmental pollution.

Part I Schedule of Activities Licensed

In pursuance of the powers conferred on it by the Waste Management Acts 1996 to 2013, the Environmental Protection Agency (the Agency) proposes, under Section 40(1) of the said Acts to grant this Waste Licence to **Country Clean Recycling Limited, Churchfield Industrial Estate, John F. Connolly Road, County Cork** to carry on the waste activity/activities listed below at, **Churchfield Industrial Estate, John F. Connolly Road, County Cork** 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 2013

Class D 13	Blending or mixing prior to submission to any of the operations numbered D 1 to D 12 (if there is no other D code appropriate, this can include preliminary operations prior to disposal including pre-processing such as, amongst others, sorting, crushing, compacting, pelletising, drying, shredding, conditioning or separating prior to submission to any of the operations numbered D1 to D12).
Class D 14	Repackaging prior to submission to any of the operations numbered D 1 and D 13.
Class D 15	Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage (being preliminary storage according to the definition of "collection" in section 5(1), pending collection on the site where the waste is produced).

Licensed Waste Recovery Activities, in accordance with the Fourth Schedule of the Waste Management Acts 1996 to 2013

Class R 3	Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes), which includes gasification and pyrolysis using the components as chemicals.
Class R 4	Recycling/reclamation of metals and metal compounds.
Class R 5	Recycling/reclamation of other inorganic materials, which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials. [Principal Activity]
Class R 11	Use of waste obtained from any of the operations numbered R 1 to R 10.
Class R 12	Exchange of waste for submission to any of the operations numbered R 1 to R 11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as, amongst others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging, separating, blending or mixing prior to submission to any of the operations numbered R1 to R11).
Class R 13	Storage of waste pending any of the operations numbered R 1 to R 12 (excluding temporary storage (being preliminary storage according to the definition of 'collection' in section 5(1)), pending collection, on the site where the waste is produced).

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 1.4 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.
In addition:
- 1.2.1 The licensee shall, within twenty-four months of the date of grant of licence (or alternative period agreed by the Agency), cease to accept MSW and separately collected bio-waste at the facility unless all appropriate infrastructure expressly identified in Conditions 3.13.1 (i) and (ii) of this licence have been installed to the satisfaction of the Agency.
- 1.2.2 No processing of MSW shall commence at the facility until the measures specified in Conditions 3.13.1 (i) and (ii) have been installed to the satisfaction of the Agency.
- 1.3 For the purposes of this licence, the facility is the area of land outlined in red on Drawing Plot Ref. No. 1094_09_005 (Drawing 5) 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.
- 1.4 No alteration to, or reconstruction in respect of, the activity, or any part thereof, that 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.
- 1.5 The facility shall be controlled, operated and maintained, and emissions shall take place as set out in the licence. All programmes required to be carried out under the terms of this licence become part of this licence.
- 1.6 This licence is for purposes of waste licensing under the Waste Management Acts 1996 to 2013 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 and Hours of Operation.
- 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 0600 and 1930, Monday to Sunday inclusive.
- 1.7.2 The facility may be operated twenty-four hours a day, Monday to Sunday inclusive. During night-time hours, all operations shall take place indoors.
- 1.7.3 The licensee shall carry out mechanical processing/sorting of waste at the facility only between the hours of 0700 and 2000, Monday to Sunday inclusive.

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 a FAS waste management training programme or equivalent agreed by the Agency.

2.2 Environmental Management System (EMS)

- 2.2.1 The licensee shall **establish and maintain** an Environmental Management System (EMS) **within six months of the date of grant of this licence**. The EMS shall be updated on an annual basis.

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

2.2.2.1 Management and Reporting Structure.

2.2.2.2 Schedule of Environmental Objectives and Targets.

The licensee shall prepare 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, and the prevention, reduction and minimisation of waste for disposal. The schedule shall include time frames for the achievement of set targets and shall address a five year period as a minimum. In relation to waste recovery the schedule shall include an initial waste recovery target of waste throughput, as well as time frames for achieving higher recovery targets. As a minimum this shall include specific objectives for the control and minimisation as well as an annual review of the dust and noise nuisance potential of the site activities. 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 grant of this licence, 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 **maintained** by the licensee. It shall include:

- designation of responsibility for targets;
- the means by which they may be achieved;
- 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).

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

2.2.2.4 Documentation

- (i) The licensee shall **establish and maintain** an environmental management documentation system which shall be to the satisfaction of the Agency.

- (ii) The licensee shall issue a copy of this licence to all relevant personnel whose duties relate to any condition of this licence.

2.2.2.5 Corrective Action

The licensee shall establish procedures to ensure that corrective action is taken should the specified requirements of this licence not be fulfilled. The responsibility and authority for persons 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 can obtain information at the facility, at all reasonable times, concerning the environmental performance of the facility.

2.2.2.8 Maintenance Programme

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

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 Specified Engineering Works

- 3.1.1 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.
- 3.1.2 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.
- 3.1.3 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;
- (iii) Any other information requested in writing by the Agency.

3.2 The licensee shall establish and maintain, for each component of the facility, all infrastructure referred to in this licence in advance of the commencement of the licensed activities in that component, or as required by the conditions of this licence. Infrastructure specified in the application that relates to the environmental performance of the installation and is not specified in the licence, shall be installed in accordance with the schedule submitted in the application.

3.3 Facility Security

- 3.3.1 Security and stockproof fencing and gates shall be installed and maintained. The base of the fencing shall be set in the ground.
- 3.3.2 The licensee shall install a CCTV system which records all truck movement into and out of the facility; the CCTV system shall be operated at all times and copies of recording kept on site and made available to the Agency on request.
- 3.3.3 Gates shall be locked shut when the facility is unsupervised.
- 3.3.4 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.

3.4 Facility Roads and Site Surfaces

- 3.4.1 Effective site roads shall be provided and maintained to ensure the safe and nuisance-free movement of vehicles within the facility.
- 3.4.2 The licensee shall provide and maintain an impermeable concrete surface in all areas of the facility **associated with the movement, processing, handling and storage of waste**. 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.

3.5 Facility Office

- 3.5.2 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.
- 3.5.3 The licensee shall provide and maintain a working telephone and a method for electronic transfer of information at the facility.

3.6 Facility Notice Board

- 3.6.1 The licensee shall, within one month of the date of grant of this licence, provide 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. The notice board shall be maintained thereafter.
- 3.6.2 The board shall clearly show:
 - (i) the name and telephone number of the facility;
 - (ii) the normal hours of operation;
 - (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.
- 3.6.3 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 is legible at all times. The plan shall be replaced as material changes to the facility are made.

- 3.7 The licensee shall install on all emission points such sampling points or equipment, including any data-logging or other electronic communication equipment, as may be required by the Agency. All such equipment shall be consistent with the safe operation of all sampling and monitoring systems.
- 3.8 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) shall be refrigerated immediately after collection and retained as required for EPA use.
- 3.9 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. The requirement with regard to off-site points is subject to the prior agreement of the landowner(s) concerned.
- 3.10 Waste Inspection and Quarantine Areas
- 3.10.1 A Waste Inspection Area and a Waste Quarantine Area shall be provided and maintained at the facility.
- 3.10.2 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.
- 3.10.3 Drainage from these areas shall be directed for collection and safe disposal.
- 3.10.4 The waste inspection and quarantine area shall be secured and rendered impervious to the material inspected and stored therein.
- 3.11 Weighbridge and Wheel Cleaners
- 3.11.1 The licensee shall provide and maintain a weighbridge and a means of wheel cleaning at the facility.
- 3.11.2 The wheel cleaning equipment shall be used by all vehicles leaving the facility as required to ensure that no trade effluent/storm water or waste is carried off-site. All water from the wheel cleaning area shall be directed to the trade effluent drainage network.
- 3.11.3 The wheel cleaning area 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 cleaning area and disposed of appropriately.
- 3.12 Waste handling, Ventilation and Processing Plant
- 3.12.1 Items of plant deemed critical to the efficient and adequate processing of waste at the facility (including *inter alia* waste-loading vehicles, ejector trailers and **air handling ventilation and abatement plant**) 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.
- 3.12.2 Within three months from the date of grant of this licence, the licensee shall provide a report for the agreement of the Agency detailing the duty and standby capacity, in tonnes per day, of all waste handling and processing equipment to be used at the facility. These capacities shall be based on the licensed waste intake, as per *Schedule A: Limitations*, of this licence.
- 3.12.3 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.

3.13 Dust/Odour Control

3.13.1 The licensee shall install and maintain adequate measures to control odour and dust emissions, including fugitive dust emissions, from the facility. Such measures shall as a minimum include the following:-

- (i) Within twelve months of the date of grant of licence, dust curtains (or equivalent agreed by the Agency) and interlocked fast-action doors (or equivalent as agreed by the Agency) shall be installed and maintained on the two vehicle entry/exit points of the waste transfer building; all doors in this building shall be kept closed when not in use.
- (ii) Unless otherwise agreed by the Agency, within twenty-four months of the date of grant of licence, the waste transfer building shall be fitted with an odour management system. This shall include a continuous negative air pressure system with ventilated gases being subject to treatment by biofilter or suitable alternative agreed by the Agency. The licensee shall maintain the integrity and negative pressure throughout the building to ensure no significant escape of odours or dust.
- (iii) The licensee shall, within nine months of the installation of a negative air pressure system, prepare and submit a report on the effectiveness of the odour management system. This report shall cover the first six months operation of the system.

3.14 Construction and Demolition Waste Recovery Area

3.14.1 The licensee shall provide and maintain a construction and demolition waste recovery area. This infrastructure shall at a minimum comprise the following:

- (i) adequate containment of all stockpiles to minimise dust generation;
- (ii) collection and disposal infrastructure for all run-off;
- (iii) appropriate bunding to provide visual and noise screening; and;

Any remedial works necessary to control dust shall be implemented within a time-scale to be agreed by the Agency.

3.14.2 Only construction and demolition waste shall be accepted at this area. Wastes that are capable of being recovered shall be separated and shall be stored temporarily in this area in advance of being subjected to other recovery activities at the facility or transport off site to an appropriately authorised facility.

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

3.16 Tank, Container and Drum Storage Areas

3.16.1 All tank, container and drum storage areas shall be rendered impervious to the materials stored therein. Bunds shall be designed having regard to Agency guidelines 'Storage and Transfer of Materials for Scheduled Activities' (2004).

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

- (i) 110% of the capacity of the largest tank or drum within the bunded area; or
- (ii) 25% of the total volume of substance that could be stored within the bunded area.

3.16.3 All drainage from bunded areas shall be treated as contaminated unless it can be demonstrated to be otherwise. All drainage from bunded areas shall be diverted for collection and safe disposal, unless it can be deemed uncontaminated and does not exceed the trigger levels set for storm water emissions under **Condition 6.14**.

3.16.4 All inlets, outlets, vent pipes, valves and gauges shall be within the bunded area.

3.16.5 All tanks, containers and drums shall be labelled to clearly indicate their contents.

3.17 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.

3.18 Silt Traps and Oil Separators

The licensee shall maintain silt traps and oil separators at the facility:

- (i) Silt traps to ensure that all storm water discharges, other than from roofs, from the facility pass through a silt trap in advance of discharge;
- (ii) An oil separator on the storm water discharges from yard areas. The separator shall be a Class I by-pass separator.
- (iii) An oil separator on the leachate/wash-down discharge produced from the waste transfer building and the wheel wash area. The separator shall be a Class I full retention separator.

The silt traps and separator shall be in accordance with I.S. EN-858-2: 2003 (separator systems for light liquids).

3.19 Fire-water Retention

3.19.1 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 the date of grant of this licence.

3.19.2 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 of date of notification by the Agency.

3.19.3 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 3.19.1 and 3.19.2 above.

3.20 Storm Water

3.20.1 The licensee shall provide dedicated on-site storage tank(s) to provide for the collection of clean roof water runoff from any new site building(s). This water shall be re-used at the facility where possible.

3.20.2 The licensee shall, within six months of the date of grant of licence, divert all excess uncontaminated storm water run-off from roofed areas of the facility to the Cork City Council storm water sewer without passing via an oil separator.

3.20.3 The licensee shall, within six months of the date of grant of licence, provide storm water attenuation as specified in the licence application.

3.21 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 separators; shall be fitted with high liquid level alarms (or oil detectors as appropriate) within six months from the date of grant of this licence.

3.22 All storage tanks, including waste water storage tanks, from which spillage of environmentally significant materials might occur in such quantities as are likely to breach local or remote containment or separators, shall be fitted with high liquid level alarms (or oil detectors as appropriate).

3.23 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. of this licence for the reduction in fugitive emissions.

3.24 The licensee shall, within three months of the date of grant of this licence, 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.

3.25 Timber Shredding and Storage

- 3.25.1** Within six months of the date of grant of this licence, the timber shredder and timber shredding area shall be enclosed to contain and restrict dust and noise emissions.
- 3.25.2** Stockpiles of timber and shredded material shall be contained within designated areas of the waste transfer station building to minimise dust generation.

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:
- 4.1.1** Non-Continuous Monitoring
- (i) For any parameter where, due to sampling/analytical limitations, a 30 minute sample is inappropriate, a suitable sampling period should be employed and the value obtained therein shall not exceed the emission limit value.
 - (ii) For 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** From non-combustion sources:
Temperature 273K, Pressure 101.3 kPa (no correction for oxygen or water content).
- 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 specific 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 and flow, eight out of ten consecutive composite results, based on flow proportional composite sampling, shall not exceed the emission limit value. No individual results similarly calculated shall exceed 1.2 times the emission limit value.
- 4.3.3** Discrete Sampling
- 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
- 4.5.1** Noise from the facility shall not give rise to sound pressure levels ($L_{Ar,T}/L_{Aeq,T}$) measured at NSLs of the facility which exceed the limit values.

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

4.6 Dust and Particulate Matter

Dust and particulate matters from the activity shall not give rise to deposition levels which exceed the limit value(s).

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

Condition 5. Emissions

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

5.2 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 all or any of the following:

- Vermin
- Birds
- Flies
- Mud
- Dust
- Litter

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

5.5 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 No trade effluent, leachate and/or contaminated storm water shall be discharged to surface water drains and surface water courses.

5.7 There shall be no direct emissions to groundwater.

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 2013.

Condition 6. Control and Monitoring

- 6.1 Test Programme
- 6.1.1 The licensee shall prepare to the satisfaction of the Agency, a test programme for abatement equipment installed to **abate odour/dust emissions to atmosphere from the waste transfer building**. This programme shall be submitted to and agreed by the Agency, prior to implementation.
- 6.1.2 The programme, following agreement with the Agency, shall be completed within three months of the commencement of operation of the abatement equipment.
- 6.1.3 The criteria for the operation of the **odour/dust** abatement equipment as determined by the test programme, shall be incorporated into the standard operating procedures.
- 6.1.4 **The test programme shall establish appropriate warning and action level values for emissions to atmosphere of dust, ammonia, and other parameters as may be agreed by the Agency from the waste transfer building.**
- 6.1.5 The test programme shall as a minimum:
- (i) establish all criteria for operation, control, management and maintenance of the abatement equipment to ensure compliance with the warning and action levels established under Condition 6.1.4;
 - (ii) assess the performance of any monitors on the abatement system and establish a maintenance and calibration programme for each monitor; and
 - (iii) establish a monitoring programme to assess the performance of the odour abatement system.
- 6.1.6 A report on the test programme shall be submitted to the Agency within one month of completion.
- 6.2 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.
- 6.2.1 Analyses shall be undertaken by competent staff in accordance with documented operating procedures.
- 6.2.2 Such procedures shall be assessed for their suitability for the test matrix and performance characteristics shall be determined.
- 6.2.3 Such procedures shall be subject to a programme of Analytical Quality Control using control standards with evaluation of test responses.
- 6.2.4 Where any analysis is sub-contracted it shall be to a competent laboratory.
- 6.3 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 that will ensure the provision of data of an equivalent scientific quality shall apply.
- 6.4 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. The use of alternative equipment, other than in emergency situations, shall be as agreed by the Agency.
- 6.5 Monitoring and analysis equipment shall be operated and maintained as necessary so that monitoring accurately reflects the emission/discharge (or ambient conditions where that is the monitoring objective).

- 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.
- 6.7 The frequency, methods and scope of monitoring, sampling and analyses, as set out in this licence, may be amended with the agreement of the Agency following evaluation of test results.
- 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 within **nine months** of the date of grant of this licence. 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 and desludged as necessary. All sludge and drainage from these operations shall be collected for safe disposal. The drainage system, bunds, silt traps and oil interceptors shall be properly maintained at all times.
- 6.11 **The licensee shall, within six months of the date of grant of licence, ensure that all trade effluent discharge gullies, drainage grids and manhole covers are painted with red squares and all surface water discharge gullies, drainage grids and manhole covers are painted with blue triangles. These colour codes shall be maintained so as to be visible at all times during facility operation, and any identification designated in this licence shall be inscribed on these manholes.**
- 6.12 **No substance shall be present in trade effluent 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 any down-stream wastewater treatment works.**
- 6.13 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. A log of such inspections shall be maintained.
- 6.14 Storm Water
- 6.14.1 A visual examination of the storm water discharges shall be carried out weekly. A log of such inspections shall be maintained.
- 6.14.2 The licensee shall, within six months of the date of grant of licence, establish suitable trigger levels for **pH and Electrical Conductivity** of storm water discharges, such that storm waters exceeding these levels will be diverted for retention and suitable disposal. The licensee shall have regard to the Environmental Protection Agency "Guidance on the setting of trigger values for storm water discharges to off-site surface waters at EPA IPPC and Waste licensed facilities" when establishing the suitable trigger levels.
- 6.15 Noise
- 6.15.1 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 'Guidance Note for Noise: Licence Applications, Surveys and Assessments in Relation to Scheduled Activities (NG4)' as published by the Agency.
- 6.15.2 **The licensee shall implement noise attenuation measures to ensure compliance with the noise limits specified in this licence.**

6.16 Pollutant Release and Transfer Register (PRTR)

The licensee shall prepare and report a PRTR for the site. The substance and/or wastes to be included in the PRTR shall be as agreed by the Agency each year by reference to EC Regulations No. 166/2006 concerning the establishment of the European Pollutant Release and Transfer Register. 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 the date of grant of this licence, develop and establish a Data Management System for collation, archiving, assessing and graphically presenting the 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 loose litter or other waste, placed on or in the vicinity of the facility, other than in accordance with the requirements of this licence, shall be removed, subject to the agreement of the landowners, immediately and in any event by 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.

6.20 Dust/Odour Control

6.20.1 All **MSW and BMW** shall be stored in designated areas **inside the waste transfer building**. All **separately collected bio-waste** shall be stored in suitably covered and enclosed containers, in designated areas, **in the waste transfer building**. **These wastes** shall be removed from the facility within 48 hours of their arrival at the facility, except at Public Holiday weekends. At Public Holiday weekends, **these wastes** shall be removed within 72 hours of their arrival at the facility.

6.20.2 In dry weather, site roads and any other areas used by vehicles shall be sprayed with water as and when required to minimise airborne dust nuisance.

6.20.3 The licensee shall undertake, as required by the Agency, an odour assessment which shall include as a minimum the identification and quantification of all significant odour sources and an assessment of the adequacy of the odour abatement system(s) to deal with these emissions. Any recommendations arising from such an odour assessment shall be implemented following agreement by the Agency.

6.20.4 **Odour neutralising sprays shall be used only in situations where no other odour abatement option is feasible and where agreed by the Agency.**

6.21 Operational Controls

6.21.1 The floor of the waste transfer building shall be cleaned on a weekly basis. The floor of the storage bays for recovered wastes shall be washed down and cleaned on each occasion such bays are emptied, or as a minimum on a weekly basis.

6.21.2 Scavenging shall not be permitted at the facility.

6.21.3 All tanks and drums shall be labelled to clearly indicate their contents.

6.21.4 There shall be no unauthorised public access to the facility.

6.22 Monitoring Locations

6.22.1 Within three months of the date of grant of this licence, the licensee shall submit to the Agency an appropriately scaled drawing(s) showing all the monitoring locations that are stipulated in this licence including any noise-sensitive locations. The drawing shall include the eight-digit national grid reference of each monitoring point.

6.23 Nuisance Monitoring

6.23.1 The licensee shall, at a minimum of daily, inspect the facility and its immediate surrounds for nuisances caused by litter, vermin, birds, flies, mud, dust and odours.

The licensee shall maintain a record of all nuisance inspections **and any actions taken as a result of these inspections.**

6.24 Vermin and Flies

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

Reason: *To provide for the 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 2013.*

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 the date of grant of this licence. The audit shall be carried out in accordance with the guidance published by the Agency, "Guidance Note on Energy Efficiency Auditing". The energy efficiency audit shall be repeated at intervals as required by the Agency.
- 7.2 The audit shall identify all practicable opportunities for energy use reduction and efficiency and the recommendations of the audit will be incorporated into the Schedule of Environmental Objectives and Targets under Condition 2 above.
- 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.

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 inside the waste transfer building, **with the exception of wood shredding which shall be carried out as stated in Condition 3.25.1. All wastes/materials shall be stored within the waste transfer building with the exception of metal, glass and other wastes which may, if agreed by the Agency, be stored in designated bays outdoors.**
- 8.2 Waste Acceptance and Characterisation Procedures
- 8.2.1 Waste shall only be accepted at the facility from Local Authority waste collection or transport vehicles or holders of waste permits, unless exempted or excluded, issued under the Waste Management Acts 1996 to 2013. Copies of these waste collection permits shall be maintained at the facility.
- 8.2.2 Within six months of the date of grant of this licence, the licensee shall establish and maintain detailed written procedures for the acceptance and handling of wastes.
- 8.2.3 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.

- 8.2.4 Waste arriving at the facility shall have its documentation checked at the point of entry to the facility and subject to this verification, weighed, documented and directed to the **waste transfer building**. Each load of waste arriving at the **waste transfer building** shall be inspected upon tipping within this building. Only after such inspections shall the waste be processed for recovery or disposal.
- 8.2.5 Any waste deemed unsuitable for processing at the facility and/or in contravention of this licence shall be immediately separated and removed from the facility at the earliest possible time. Temporary storage of such wastes shall be in a designated Waste Quarantine Area. Waste shall be stored under appropriate conditions in the quarantine area to avoid putrefaction, odour generation, the attraction of vermin and any other nuisance or objectionable condition.
- 8.2.6 No hazardous waste shall be accepted at the facility.**
- 8.3 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.
- 8.4 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.
- 8.5 The licensee shall ensure that, in advance of transfer to another person, waste shall be classified, packaged and labelled in accordance with National, European and any other standards which are in force in relation to such labelling.
- 8.6 The loading and unloading of materials shall be carried out in designated areas protected against spillage and leachate run-off.
- 8.7 Waste shall be stored in designated areas, protected as may be appropriate against spillage and leachate run-off. The waste shall be clearly labelled and appropriately segregated.
- 8.8 No waste classified as green list waste in accordance with the EU 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.
- 8.9 Waste for disposal/recovery off-site shall be analysed in accordance with *Schedule C: Control & Monitoring*, of this licence.
- 8.10 Unless approved in writing, in advance, 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.
- 8.11 The licensee shall neither import waste into the State nor export waste out of the State except in accordance with the relevant provisions of Regulation (EC) No 1013/2006 of the European Parliament and of the Council of 14th June 2006 on shipments of waste and associated national regulations.
- 8.12 **No separately collected waste or recovered fraction of waste shall be mixed with waste of different characteristics or properties or dispatched for disposal at another facility unless agreed by the Agency.**
- 8.13 **Only waste that has been subject to treatment may be dispatched for disposal at a landfill facility. Treatment shall reflect published EPA guidance as set out in *Municipal Solid Waste – Pre-treatment and Residuals Management*, EPA, 2009. With the agreement of the Agency, this condition shall not apply to:**
- (i) Inert waste for which treatment is not technically feasible; and
 - (ii) Other waste for which such treatment does not contribute to the objectives of the Landfill Directive as set out in Article 1 of the Directive by reducing the quality of the waste or the hazards to human health or the environment.

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

Condition 9. Accident Prevention and Emergency Response

- 9.1 The licensee shall, within six months of date of grant of this licence, ensure that a documented Accident Prevention Procedure is in place that addresses 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, within six months of date of grant of this licence, ensure that a documented Emergency Response Procedure is in place that addresses any emergency situation which may originate on-site. This procedure shall include provision for minimising the effects of any emergency on the environment. This procedure shall be reviewed annually and updated as necessary.
- 9.3 Incidents
- 9.3.1 In the event of an incident the licensee shall immediately:
- (i) carry out an investigation to identify the nature, source and cause of the incident and any emission arising therefrom;
 - (ii) isolate the source of any such emission;
 - (iii) evaluate the environmental pollution, if any, caused by the incident;
 - (iv) identify and execute measures to minimise the emissions/malfunction and the effects thereof;
 - (v) identify the date, time and place of the incident;
 - (vi) notify the Agency and other relevant authorities.
- 9.3.2 The licensee shall provide a proposal to the Agency for its agreement within one month of the incident occurring or as otherwise agreed by the Agency, to:
- (i) identify and put in place measures to avoid recurrence of the incident; and
 - (ii) identify and put in place any other appropriate remedial actions.
- 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 transfer station building, any waste arriving at or already collected at the facility shall be transferred directly to appropriate landfill sites or any other appropriate facility until such time as the transfer station building is returned to a fully operational status. Such a breakdown event will be treated as an emergency and rectified as soon as possible.
- 9.4.2 All significant spillages occurring at the facility shall be treated as an emergency and immediately cleaned up and dealt with so as to alleviate their effects.
- 9.4.3 No waste shall be burnt within the boundaries of the facility. A fire at the facility shall be treated as an emergency and immediate action shall be taken to extinguish it and notify the appropriate authorities.
- 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.

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

Condition 10. Decommissioning & Residuals 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, subsoil, 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 (DMP)
- 10.2.1 The licensee shall prepare, to the satisfaction of the Agency, a fully detailed and costed plan for the decommissioning or closure of the site or part thereof. This plan shall be submitted to the Agency for agreement within six months of the date of grant of the licence.
- 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 plan; and
 - (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. Notification, Records and Reports

- 11.1 The licence shall notify the Agency by both telephone and either e-mail or web-form, 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 emissions 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 and Monitoring*, of this licence which is likely to lead to loss of control of the abatement system; and
 - (iv) any incident with the potential for environmental contamination of surface water or groundwater, or posing an environment 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.

- 11.2 In the event of any incident or non-compliance which relates to discharges to sewer having taken place, the licensee shall notify the Local and Water Services Authority as soon as practicable after such an incident.
- 11.3 In the case of any incident relating to discharges to water, the licensee shall notify the Local and Water Services Authority and Inland Fisheries Ireland as soon as practicable after such an incident.
- 11.4 The licensee shall submit monitoring results of the emissions to sewer to the Water Services Authority on a quarterly basis.
- 11.5 The licensee shall, within three months of the date of grant of licence, submit the laboratory procedures in relation to the sampling and testing of the emissions to sewer to the Water Services 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) 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;
 - (viii) any elements of the licence application or EIS documentation referenced in this licence.
- 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 D: Annual Environmental Report*, of this licence and shall be prepared in accordance with any relevant guidelines issued by the Agency.
- 11.11 The licensee shall maintain a written record for each load of waste arriving at, or leaving the facility. The licensee shall record the following:
- (i) the date and time;
 - (ii) the name of the carrier (including if appropriate, the waste carrier registration details);
 - (iii) the vehicle registration number;
 - (iv) the trailer, skip or other container unique identification number (where relevant);
 - (v) the name of the producer(s)/collector(s) of the waste as appropriate;

- (vi) the name of the waste facility (if appropriate) from which the load originated including the waste licence or waste permit register number;
 - (vii) the destination of the waste, if appropriate (including the facility name and waste licence/permit number as appropriate);
 - (viii) a description of the waste including the associated EWC/HWL codes;
 - (ix) the quantity of waste, recorded in tonnes;
 - (x) details of the treatment(s) to which the waste has been subjected;
 - (xi) the classification and coding of the waste, including whether MSW or otherwise;
 - (xii) whether the waste is for disposal or recovery, and if recovery, for what purpose;
 - (xiii) the name of the person checking the load; and
 - (xiv) where loads of waste are removed or rejected, details of the date of occurrence, the types of waste and the facility to which they were removed.
- 11.12 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 recovery/disposal;
 - (ii) the names of the agent and carrier of the waste, and their waste collection permit details, if required (to include issuing authority and vehicle registration number);
 - (iii) details of the ultimate recovery/disposal destination facility for the waste and its appropriateness to accept the consigned waste stream, to include its permit/licence details and issuing authority, if required;
 - (iv) written confirmation of the acceptance and disposal/recovery of any hazardous waste consignments sent off-site;
 - (v) details of all waste consigned abroad for Recovery and classified as 'Green' in accordance with the EU Shipment of Waste Regulations (Council Regulation EEC No. 1013/2006, as may be amended). The rationale for the classification shall form part of the record;
 - (vi) details of any rejected consignments;
 - (vii) details of any approved waste mixing;
 - (viii) the results of any waste analyses required under *Schedule C: Control & Monitoring*, of this licence; and
 - (ix) the tonnage and EWC Code for the waste materials recovered/disposed on-site.
- 11.13 **Each load of waste dispatched to landfill shall be accompanied by documentation verifying, where required, the type of treatment carried out on the waste and, in the case of municipal waste, its biodegradable content.**
- 11.14 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.
- 11.15 All reports shall be certified accurate and representative by the facility manager or a nominated, suitably qualified and experienced deputy.
- 11.16 A 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.

11.17 Waste Recovery Reports

The licensee shall as part of the Annual Environmental Report for the site submit a report on the contribution by this facility to the achievement of the waste recovery objectives stated in Condition 2.2.2.2 and as otherwise may be stated in National and European Union waste policies and shall, as a minimum, include the following:

- (i) the recovery of metals;
- (ii) the recovery of construction and demolition derived waste materials;
- (iii) the recovery of bio-waste (including contribution of facility to the pre-treatment targets in the EU Landfill Directive);
- (iv) the separation and recovery of other recyclable materials.

11.18 A full record, which shall be open to inspection by authorised persons of the Agency at all times, shall be kept by the licensee at the facility of the programme for the control and eradication of vermin and fly infestations at the facility. These records shall include as a minimum the following:-

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

A report on this programme shall be prepared and submitted to the Agency as part of the AER.

11.19 The licensee shall maintain a daily record of the quantity of waste that undergoes pre-treatment at the facility in advance of being sent for incineration or co-incineration. This information and the capacity for this pre-treatment shall be submitted to the Agency as part of the AER. The record shall be maintained in such a manner that the relevance of activity 5.3(b)(ii) of Annex I of Directive 2010/75/EU on industrial emissions (the Industrial Emissions Directive) in describing operations at the facility can be determined.

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 €7,032.72, 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 2013. The first payment shall be a pro-rata amount for the period from the date of grant of this licence to the 31st day of December, and shall be paid to the Agency within one month from the date of grant of the licence. In subsequent years the licensee shall pay to the Agency such revised annual contribution as the Agency shall from time to time consider necessary to enable performance by the Agency of its relevant functions under the Waste Management Acts 1996 to 2013, 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 defray its costs in regard to items not covered by the said annual contribution.

12.2 Water Services Authority Charges

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

12.2.2 In the event of any non-compliance or anomaly in the monitoring data, the licensee shall contribute such sum as determined by the Water Services Authority to defray its costs regarding additional investigative monitoring (non-routine monitoring), including sampling and testing costs associated with the trade effluent which the Water Services Authority may require to be undertaken.

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 appropriate 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 DMP. A report on this assessment shall be submitted to the Agency for agreement within twelve months of date of grant of this licence. The ELRA shall be reviewed as necessary to reflect any significant change on site, and in any case every three years following initial agreement. Review results are to be notified as part of the AER.

12.3.3 As part of the measures identified in Condition 12.3.1, the licensee shall, to the satisfaction of the Agency, make financial provision to cover any liabilities associated with the operation (including closure) of the facility. 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 revise the cost of closure annually and any adjustments shall be reflected in the financial provision made under Condition 12.3.3.

12.3.5 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 2013.*

SCHEDULE A: Limitations

A.1 Waste Processes

The following waste related processes are authorised:

- i. Reception of waste
- ii. Bulking and transfer of waste
- iii. Sorting, separation, shredding, trommeling, screening, crushing, baling and repackaging processes
- iv. Non-hazardous C&D waste recovery (incl. crushing, screening, sorting, blending)
- v. Storage of waste, including temporary storage of unacceptable waste in the quarantine area
- vi. Recovery of dry recyclables
- vii. Timber shredding

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

A.2 Waste Acceptance

Table A.1 Waste Categories and Quantities

Waste Type ^{Note 1}		Maximum ^{Note 2} (Tonnes Per Annum)
Non-Hazardous Wastes	Household & Commercial Waste	10,000
	Mixed Dry Recyclable Waste	22,000
	Construction & Demolition Waste	13,000
	Mixed Municipal Waste	53,960
	Separately Collected Bio-waste	1,040
Total		100,000

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

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

SCHEDULE B: Emission Limits

B.1 Emissions to Air

No emission limit values are specified for emission to air from the facility.

B.2 Emissions to Water

There shall be no emissions to water of environmental significance.

B.3 Emissions to Sewer

Emission Point Reference No: SE1
 Location: To the north of the buildings, post-oil separator
 Receiving Sewer: Cork City Council Sewer and Urban WWTP
 Volume to be emitted: Maximum in any one day: 20 m³
 Maximum rate per hour: 10 m³

Parameter	Emission Limit Value	
	Daily Mean Concentration mg/l	kg/day
Temperature	35 °C (max)	
pH	6.0 – 9.0	
Toxicity	10 TU	
Electrical Conductivity	1,500 µS/cm	
BOD	1,000	14.0
COD	1,500	20.0
Suspended Solids	400	8.0
Oils, fats and greases	50	0.75
Total Ammonia (as N)	5.0	--
Total Phosphorus (as P)	5.0	--
Detergent (as MBAS)	20.0	--
Nitrates (as N)	30.0	--
Mercury (as Hg)	0.1	--
Chromium ^{VI}	0.1	--
Cadmium (as Cd)	0.1	--
Lead (as Pb)	1.0	--
Copper (as Cu)	1.0	--
Total Chromium (as Cr)	1.0	--
Nickel (as Ni)	1.0	--
Iron (as Fe)	5.0	--
Aluminium (as Al)	5.0	--

B.4 Noise Emissions

Daytime dB L _{Ar,T} (30 minutes)	Evening time dB L _{Ar,T} (30 minutes)	Night-time dB L _{Aeq,T} (15-30 minutes)
55	50	45



B.5 Dust

Locations:

D1-D5 as shown on Figure 2 'Dust Monitoring Locations' of the application (or as may be amended under Condition 6.7)

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

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



SCHEDULE C: Control & Monitoring

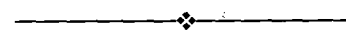
C.1.1. Control of Emissions to Air

The control of the emissions to atmosphere from the Waste Transfer Building odour/dust abatement system shall be as determined under Condition 6.1.



C.1.2. Control and Monitoring of Emissions to Air

The monitoring of the emissions to atmosphere from the Waste Transfer Building odour/dust abatement system shall be as determined under Condition 6.1.



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.2.3. Control of Storm Water Emissions

Emission Control Location: SW1 (Storm Water discharge point)

Description of Treatment: Silt Trap(s)/Oil Separator

Control Parameter	Monitoring	Key Equipment ^{Note 1}
Oil removal	Oil content of discharge to storm sewer	Class I By-pass Oil Separator
Silt removal	Suspended Solids content of discharge to storm sewer	Silt Trap(s)

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

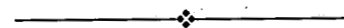


C.2.4. Monitoring of Storm Water Emissions

Emission Point Reference No.: SW1

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

Note 1: Sample to be obtained by discrete sampling.



C.3.1. Control of Emissions to Sewer

Emission Point Reference No: SE1
 Description of Treatment/Equipment: Silt Trap & Oil Separator

Control Parameter	Monitoring	Key Equipment
Oil, fats and greases	Oil level (Automatic oil level warning device)	Class I Full Retention Oil Separator

C.3.2. Monitoring of Emissions to Sewer

Emission Point Reference No: SE1

Parameter	Monitoring Frequency	Analysis Method /Technique
Flow	Continuous	On-line flow meter with recorder
pH	Monthly	pH electrode/meter
Temperature	Quarterly ^{Note 2}	Thermometer
BOD	Quarterly ^{Note 1}	Standard Method
COD	Quarterly ^{Note 1}	Standard Method
Suspended Solids	Quarterly ^{Note 1}	Standard Method
Oils, fats and greases	Quarterly ^{Note 2}	Standard Method
Electrical Conductivity	Quarterly ^{Note 1}	Standard Method
Total Ammonia (as N)	Quarterly ^{Note 1}	Standard Method
Total Phosphorus (as P)	Quarterly ^{Note 1}	Standard Method
Detergent (as MBAS)	Quarterly ^{Note 1}	Standard Method
Nitrates (as N)	Quarterly ^{Note 1}	Standard Method
Mercury (as Hg)	Quarterly ^{Note 1}	Standard Method
Chromium. ^{VI}	Quarterly ^{Note 1}	Standard Method
Cadmium (as Cd)	Quarterly ^{Note 1}	Standard Method
Lead (as Pb)	Quarterly ^{Note 1}	Standard Method
Copper (as Cu)	Quarterly ^{Note 1}	Standard Method
Total Chromium (as Cr)	Quarterly ^{Note 1}	Standard Method
Nickel (as Ni)	Quarterly ^{Note 1}	Standard Method
Iron (as Fe)	Quarterly ^{Note 1}	Standard Method
Aluminium (as Al)	Quarterly ^{Note 1}	Standard Method
Toxicity ^{Note 3}	As required by the Agency	To be agreed by the Agency

Note 1: The licensee shall install a composite sampler within three months of the date of grant of this licence. All samples thereafter shall be collected on a 24 hour flow proportional composite sampling basis.

Note 2: Sample to be obtained by discrete sampling.

Note 3: The number of toxic units (Tu) = 100/x hour EC/LC₅₀ in percentage vol/vol so that higher Tu values reflect greater levels of toxicity. For test regimes where species death is not easily detected, immobilisation is considered equivalent to death.

C.4 Waste Monitoring

Waste Class	Frequency	Parameter	Method
Municipal waste dispatched to landfill	As may be specified by the Agency	BMW content	Waste characterisation or other methods as may be specified by the Agency.
Other ^{Note 1}			

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

C.5 Noise Monitoring

Monitoring Point Locations:

Location	Measurement	Frequency
NSL1 (166191E 073590N) NSL2 (166117E 073645N)	Daytime & Evening: L _{Ar,T} and Night-Time: L _{Aeq,T}	Annually
Period	Minimum Survey Duration	
Daytime	4 hour survey with a minimum of 3 sampling periods at each noise monitoring location ^{Note 2}	
Evening-time	2 hours survey with a minimum of 1 sampling period at each noise monitoring location.	
Night-time ^{Note 1}	3 hour survey with a minimum of 2 sampling periods at each noise monitoring location.	

Note 1: Night-time measurements should be made between 2300hrs and 0400hrs, Sunday to Thursday, with 2300hrs being the preferred start time.

Note 2: Sampling period is to be the time period T stated within the relevant licence. Typically this will be either 15 minutes or 30 minutes in duration. This applies to day, evening and night time periods.

C.6 Ambient Monitoring

C.6.1 Dust Monitoring

Monitoring points and location:

D1 (166066E 073608N)
D2 (166125E 073615N)
D3 (166167E 073598N)
D4 (166135E 073536N) and
D5 (166086E, 073531N)
shown on Dust Monitoring Locations - Figure 2
(or as may be amended under Condition 6.7)

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

Note 1: Once during the period May to September, or as otherwise specified in writing by the Agency.

Note 2: Standard Method VDI2119 (Measurement of Dustfall, Determination of Dustfall using Bergerhoff Instrument (Standard Method) German Engineering Institute).

SCHEDULE D Specified Engineering Works

Specified Engineering Works

Development of the facility including installation of waste-handling, processing, recycling/recovery infrastructure and installation of increased waste processing capacity as well as any abatement system(s).

Extension of the existing Waste Transfer Building.

Installation of odour/dust control and abatement system for the Waste Transfer Building.

Amendments to the waste water and/or surface water drainage networks and installation of silt trap(s), oil interceptor(s) and storm water attenuation tank.

Any other works notified in writing by the Agency.

SCHEDULE E Reporting

Completed reports shall be submitted to:

The Environmental Protection Agency
Office of Environmental Enforcement
P.O. Box 3000

Johnstown Castle Estate

County Wexford **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 ^{Note 1}	Report Submission Date
Annual Environment Report (AER)	Annually	By 31st March of each year.
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	Every three years	Six months from the date of grant of licence; thereafter as part of the AER.
Licence monitoring requirements	Annually	As part of AER.
Any other monitoring/reports	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 (including a record of the information required under Condition 11.19).
 Quantity and composition of waste recovered, received and disposed of during the reporting period and each previous year (relevant EWC codes to be used).
 Waste activities carried out at the facility.
 Resource consumption summary.
 Complaints summary.
 Full title and a written summary of any procedures developed by the licensee in the year which relates to the facility operation.
 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.
 Waste Recovery Report.
 Review of nuisance controls.
 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 discharges.
 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.
 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.

Signed on behalf of the said Agency _____

On the xx day of xxxxx, 2013

xxxxxxxxxxxx

Authorised Person