

**Waste Management Act 1996 as amended**

**NOTIFICATION OF A PROPOSED DECISION ON AN APPLICATION FOR A WASTE LICENCE  
IN ACCORDANCE WITH SECTION 42(2) OF THE WASTE MANAGEMENT ACT 1996 AS AMENDED**

In pursuance of the powers conferred on it by the above mentioned Acts, the Environmental Protection Agency (the Agency) proposes, under Section 40(1) of the said Acts, to determine the following waste licence application:

**Waste Licence Register No:** W0285-01  
**Applicant:** Bio Agrigas Limited, Newdown, The Downs, Mullingar, County Westmeath.  
**CRO Number:** 496273  
**Facility:** Bio Agrigas Limited, Newdown, The Downs, Mullingar, County Westmeath.

The application was submitted by the applicant on 30/07/2012.

**Proposed Decision:** It is proposed, for the reasons hereinafter set out, to grant a waste licence to the above named applicant to carry on the following activities at the above named facility, subject twelve Conditions:

*Licensed waste recovery activities in accordance with the Fourth Schedule of the Waste Management Act 1996 as amended:*

<b>Class R 3.</b>	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.
<b>Class R 11.</b>	Use of waste obtained from any of the operations numbered R 1 to R 10.
<b>Class R 13.</b>	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).

**Proposed Licence:** A copy of the proposed licence, including the reasons for the proposed decision, the proposed twelve Conditions and the reasons therefor and associated schedules attached thereto accompanies this notification. A copy of the proposed licence may also be obtained from the Environmental Protection Agency, P.O. Box 3000, Johnstown Castle Estate, County Wexford.

**OBJECTIONS & ORAL HEARINGS**

Any person may object to the proposed decision, in accordance with Section 42 of the Waste Management Act 1996 as amended, at any time no later than 5.00 pm on **25<sup>th</sup> October 2015**. A person making an objection may also request an oral hearing of the objection, in accordance with Section 42 of the Acts, at any time no later than the date specified above. It is important to note that any objection to a proposed decision/request for an oral hearing must be **received by the Agency before the appropriate period expires**.

An objection/request for an oral hearing must be made on-line on the Agency's website at [www.epa.ie](http://www.epa.ie) or by sending the objection or request by prepaid post to the Agency, or by leaving the objection or request with an employee of the Agency at the principal offices of the Agency in Wexford during office hours, i.e. 9.00 a.m. to 5.00 p.m. Monday to Friday.

An objection against the proposed decision must state in full the grounds of the objection. An objection and a request for an oral hearing of an objection must each be accompanied by the appropriate fee and also comply with the other statutory requirements set out in the Waste Management Act 1996 as amended and the Waste Management (Licensing) Regulations. Extracts from the Acts and the Regulations accompany this notification. For the purposes of making an objection and/or a request for an oral hearing, the address of the principal office of the Agency is **P.O. Box 3000, Johnstown Castle Estate, County Wexford.**

In the event that;

- (a) no objection is taken against the proposed decision or
- (b) an objection or objections is or are taken against the proposed decision and the objection or objections is or are withdrawn,

the decision of the Agency will be in accordance with the proposed decision and will be issued as soon as may be after the appropriate period expires.

Signed on behalf of the Agency:  
on the 28<sup>th</sup> day of September, 2015



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**Mary Turner, Authorised Person**

**re: Proposed Decisions of the Environmental Protection Agency in respect of Waste Licence applications**

**Fees for the making of Objections and Oral Hearing requests**

**Fees for making an Objection:**

- Article 42 (1) A fee shall be paid to the Agency in respect of the making of an objection.
- (2) Subject to sub-article (3), the fee payable under sub-article (1) shall be the amount indicated in column (3) of Part II of the Second Schedule opposite the appropriate mention of objection in column (2) of the said Part of the Schedule.
- (3) Where an objection is made to the Agency by -
- (a) A local authority,
  - (b) A planning authority,
  - (c) A sanitary authority,
  - (d) The Central Fisheries Board,
  - (e) An Taisce - The National Trust for Ireland,
  - (f) Failte Ireland,
  - (g) In the case of an activity any part of which is situate within the functional area of the Shannon Free Airport Development Company Limited, that Company, a reduced fee shall be payable in respect of the said objection, in accordance with sub-article (2).

**Fees for making a request for an Oral Hearing** (payable *in addition to* the fee payable for making the associated objection)

- Article 44 (1) A fee shall be paid to the Agency in respect of a request for an oral hearing of an objection. (See table of fees below).
- (2) The fee payable under sub-article (1) shall be the amount indicated in column (3) of Part II of the Second Schedule opposite the mention of a request for an oral hearing in column (2) of the said Part of the Schedule.

**Table of Fees for Objections and Requests for Oral Hearings**

(1)	(2)	(3) Amount of fee (€)
Article 42	Objection by the applicant or licensee	€500
	Objection by an authority or body mentioned in Article 42(3)	€100
	Objection by any other person	€200
Article 44	Request for an oral hearing	€100

**Making an Objection and requesting an Oral Hearing of an objection on a Proposed Decision of the Environmental Protection Agency on a Waste Licence Application.**

**Extracts from the relevant sections of the Waste Management Act 1996 as amended.**

*Section*

- 42(2) Before making a decision under *Section 40* in respect of an application made to it for the grant of a waste licence, or under *Section 46(2)* in consequence of a review of a waste licence that has been conducted by it under that section, the Agency shall give notice in writing to—
- (a) the applicant or the holder of the licence, as the case may be,
  - (b) any person who has made a written submission to it in relation to the application or the review, in accordance with regulations under this Part,
  - (c) where relevant, the local authority in whose functional area the activity, the subject matter of the proposed waste licence or the waste licence, as the case may be, is intended to be, or is, carried on, and
  - (d) such other persons as may be prescribed,
- of the decision it proposes to make in respect of the application or in consequence of the review and, where the decision so notified is a decision to grant a waste licence or a revised waste licence, shall specify where a copy of the proposed licence or revised licence may be obtained.
- 42(3) Any person may, subject to compliance with the requirements of any regulations under *Sections 45* and *50*, and at any time before the expiration of the appropriate period, make an objection to the Agency in relation to a decision referred to in *subsection (2)* that it proposes to make.
- 42(4) An objection shall—
- (a) be made in writing,
  - (b) state the name and address of the objector,
  - (c) state the subject matter of the objection,
  - (d) state in full the grounds of objection and the reasons, considerations and arguments on which they are based, and
  - (e) be accompanied by such fee (if any) as may be payable in respect of the making of such objection in accordance with regulations under *Section 50*.
- 42(5) (a) An objection which does not comply with the requirements of *subsection (4)* shall be invalid.  
(b) The requirement of *subsection (4) (d)* shall apply whether or not the objector requests, or proposes to request, under *subsection (9)* an oral hearing of the objection.
- 42(6) An objection shall be accompanied by such documents, particulars, or other information relating to the objection as the objector considers necessary or appropriate.
- 42(7) Without prejudice to the provisions of any regulations under *Section 45*, an objector shall not be entitled to elaborate in writing upon, or make further submissions in writing in relation to, the grounds of objection stated in the objection, and any such elaboration, submissions or further grounds of objection that is or are received by the Agency shall not be considered by it.
- 42(8) Any documents, particulars or other information submitted by an objector, other than such documents, particulars or other information which accompanied the objection or which were furnished to the Agency under and in accordance with a requirement of, or made pursuant to, regulations under *Section 45*, shall not be considered by the Agency.
- 42(9) (a) A person making an objection under *subsection (3)* may request an oral hearing of the objection.  
(b) (i) A request for an oral hearing of an objection shall be made in writing to the Agency and shall be accompanied by such fee (if any) as may be payable in respect of such request in accordance with regulations under *Section 50*.

- (ii) A request for an oral hearing of an objection which is not accompanied by such fee (if any) as may be payable in respect of such request shall not be considered by the Agency.
  - (c) A request for an oral hearing of an objection shall be made within the appropriate period, and any request received by the Agency after the expiration of that period shall not be considered by it.
- 42(10) An objection, or a request for an oral hearing under subsection (9), shall be made—
  - (a) by sending the objection or request by prepaid post to the Agency, or
  - (b) by leaving the objection or request with an employee of the Agency, at the principal office of the Agency, during office hours, or
  - (c) by such other means as may be prescribed.
- 42(11) (a) Where a request for an oral hearing of an objection is made in accordance with *subsection (9)*, or otherwise where an objection has been made, the Agency shall have an absolute discretion to hold an oral hearing in relation to the objection and, if it decides to hold such a hearing, it shall give notice in writing of that decision to—
  - (i) the applicant or the holder of the licence, as the case may be,
  - (ii) where relevant, the local authority in whose functional area the activity, the subject matter of the proposed waste licence or the waste licence, as the case may be, is intended to be, or is, carried on,
  - (iii) any person who requested an oral hearing, and
  - (iv) such other person as may be prescribed.
 (b) Where the Agency decides not to hold an oral hearing under this subsection, it shall give notice in writing of its decision to the person who requested the oral hearing.
- 42(12) In this section “the appropriate period” means the period of 28 days beginning on the day on which notification is sent under subsection (2) in respect of the matter concerned.
- 42A ***Calculation of appropriate period and other time limits over holidays***

When calculating the appropriate period (within the meaning of Section 42) or any other time limit under this Act or in any regulations made under this Act, the period between the 24<sup>th</sup> day of December and the 1<sup>st</sup> day of January, both days inclusive, shall be disregarded.
- 43(1) (a) Where
  - (i) no objection is made in accordance with Section 42(3) to the Agency in relation to a decision that it proposes to make in respect of an application made to it for the grant of a waste licence or in consequence of a review conducted by it of a waste licence, or
  - (ii) any objection or objections that has or have been so made to it in relation thereto is or are withdrawn,
 the decision of the Agency in relation to that application or in consequence of the review shall be that as notified by it under Section 42(2).
  - (b) Where the decision of the Agency is to grant a waste licence or a revised waste licence, such a licence shall be granted by it as soon as may be after the making of the decision.



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

**WASTE LICENCE  
Proposed Decision**

<b>Licence Register Number:</b>	<b>W0285-01</b>
<b>Company Register Number:</b>	<b>496273</b>
<b>Applicant:</b>	<b>Bio Agrigas Limited</b>
<b>Location of Facility:</b>	<b>Newdown The Downs Mullingar County Westmeath</b>

## ***INTRODUCTION***

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

Waste activities authorised to take place at the facility include the anaerobic digestion of biodegradable waste and the operation of a combined heat and power plant. The quantity of waste and other feedstock to be accepted at this facility is limited to 20,000 tonnes per annum. Only non-hazardous biodegradable waste and feedstock can be accepted at this facility.

All waste treatment will take place in an enclosed system. The odour management system requires negative air pressure in the waste reception building and the treatment of extracted air prior to emission to atmosphere. There are no process emissions to surface water or ground water from the facility. Storm water is either used in the production process or treated prior to emission to a nearby land drain.

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

The licence sets out in detail the conditions under which Bio Agrigas 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 Act 1992 as amended / Waste Management Act 1996 as amended, unless otherwise defined in the section.

<b>Adequate lighting</b>	20 lux measured at ground level.
<b>AER</b>	Annual Environmental Report.
<b>Aerosol</b>	A suspension of solid or liquid particles in a gaseous medium.
<b>Agreement</b>	Agreement in writing.
<b>Anaerobic digestion</b>	The biological decomposition of biodegradable waste in the absence of oxygen and under controlled conditions by the action of micro-organisms in order to produce digestate and a combustible gas.
<b>Annually</b>	At approximately twelve-monthly intervals.
<b>Application</b>	The application by the licensee for this licence.
<b>Appropriate facility</b>	A waste management facility, duly authorised under relevant law and technically suitable.
<b>Attachment</b>	Any reference to Attachments in this licence refers to attachments submitted as part of this licence application.
<b>BAT</b>	Best Available Techniques.
<b>Biannually</b>	At approximately six – monthly intervals.
<b>Bioaerosol</b>	An aerosol of biological particles.
<b>Biodegradable waste</b>	Any waste that is capable of undergoing anaerobic or aerobic decomposition, such as food, garden waste, sewage sludge, paper and paperboard, including biowaste.
<b>Biodegradable municipal waste (BMW)</b>	The biodegradable component of municipal waste, typically composed of food and garden waste, wood, paper, cardboard and textiles.
<b>Biogas</b>	Combustible gas generated during the anaerobic digestion of waste and typically containing 50-75% methane, 30-45% carbon dioxide as well as other contaminants such as hydrogen sulphide, oxygen, nitrogen and ammonia.
<b>Biological Treatment</b>	Composting, anaerobic digestion, mechanical-biological treatment or any other biological treatment process for stabilising and sanitising biodegradable waste, including pre-treatment processes.

<b>Bio-waste</b>	Biodegradable garden and park waste, food and kitchen waste from households, restaurants, caterers and retail premises and comparable waste from food processing plants.
<b>BOD</b>	5 day Biochemical Oxygen Demand (without nitrification suppression).
<b>CEN</b>	Comité Européen De Normalisation – European Committee for Standardisation.
<b>COD</b>	Chemical Oxygen Demand.
<b>Compliance Testing</b>	This constitutes periodical testing to determine whether a waste complies with waste acceptance criteria. The tests focus on key variables and behaviour identified by basic characterisation.
<b>Construction and demolition (C&amp;D) waste</b>	Wastes that arise from construction, renovation and demolition activities: Chapter 17 of the EWC or as otherwise may be agreed.
<b>Containment boom</b>	A boom that can contain spillages and prevent them from entering drains or watercourses or from further contaminating watercourses.
<b>CRO Number</b>	Company Register Number.
<b>Daily</b>	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.
<b>Day</b>	Any 24 hour period.
<b>Daytime</b>	0700 hrs to 1900 hrs.
<b>dB(A)</b>	Decibels (A weighted).
<b>Digestate</b>	The treated output, sanitised and free from offensive odours, from anaerobic digestion of biodegradable waste including, whether combined or separated, the solid/fibrous and liquid/liquor fractions.
<b>Digestate liquor</b>	Any liquid resulting from the anaerobic digestion process, whether drawn directly from the digestion chamber or resulting from post-digestion separation.
<b>Documentation</b>	Any report, record, results, data, drawing, proposal, interpretation or other document in written or electronic form which is required by this licence.
<b>Drawing</b>	Any reference to a drawing or drawing number means a drawing or drawing number contained in the application, unless otherwise specified in this licence.
<b>Emission limits</b>	Those limits, including concentration limits and deposition rates, established in <i>Schedule B: Emission Limits</i> , of this licence.
<b>Emergency</b>	Those occurrences defined in Condition 9.4.
<b>EMP</b>	Environmental Management Programme.

<b>Environmental damage</b>	As defined in Directive 2004/35/EC.
<b>EPA</b>	Environmental Protection Agency.
<b>European Waste Catalogue (EWC)</b>	A harmonised, non-exhaustive list of wastes drawn up by the European Commission and published as Commission Decision 2000/532/EC, as amended by Commission Decision 2014/955/EU and any subsequent amendment published in the Official Journal of the European Community.
<b>Evening Time</b>	1900hrs to 2300hrs.
<b>Facility</b>	Any site or premises used for the purpose of the recovery or disposal of waste.
<b>Gas Oil</b>	Gas Oil as defined in Council Directive 1999/32/EC and meeting the requirements of S.I. No. 119 of 2008.
<b>Green Waste</b>	Waste wood (excluding timber), plant matter such as grass cuttings, and other vegetation.
<b>Heavy metals</b>	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.
<b>Hours of operation</b>	The hours during which the facility is authorised to be operational.
<b>Hours of waste acceptance</b>	The hours during which the facility is authorised to accept waste.
<b>Incident</b>	The following shall constitute as incident for the purposes of this licence: (i) an emergency; (ii) any emission which does not comply with the requirements of this licence; (iii) any exceedance of the daily duty capacity of the waste handling equipment; (iv) any trigger level specified in this licence which is attained or exceeded; and, (v) any indication that environmental pollution has, or may have, taken place.
<b>Industrial waste</b>	As defined in Section 5(1) of the Waste Management Act 1996 as amended.
<b>Irish Water</b>	Irish Water, Colvill House, 24/26 Talbot Street, Dublin 1.

<b><math>L_{Aeq,T}</math></b>	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).
<b><math>L_{A,r,T}</math></b>	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.
<b>Licence</b>	A Waste Licence issued in accordance with the Act.
<b>Licensee</b>	Bio Agrigas Limited, Newdown, The Downs, Mullingar, County Westmeath (CRO Number 496273).
<b>Liquid waste</b>	Any waste in liquid form and containing less than 2% dry matter.
<b>List I</b>	As listed in the EC Directives 2006/11/EC and 80/68/EEC and amendments.
<b>List II</b>	As listed in the EC Directives 2006/11/EC and 80/68/EEC and amendments.
<b>Local Authority</b>	Westmeath County Council.
<b>Maintain</b>	Keep in a fit state, including such regular inspection, servicing, calibration and repair as may be necessary to perform its function adequately.
<b>Mass flow limit</b>	An emission limit value expressed as the maximum mass of a substance that can be emitted per unit time.
<b>Mass flow threshold</b>	A mass flow rate above which a concentration limit applies.
<b>Monthly</b>	A minimum of 12 times per year, at intervals of approximately one month.
<b>Municipal waste</b>	As defined in section 5(1) of the Act.
<b>Night-time</b>	2300 hrs to 0700 hrs.
<b>Noise-sensitive location (NSL)</b>	Any dwelling house, hotel or hostel, health building, educational establishment, place of worship or entertainment, or any other facility or area of high amenity which for its proper enjoyment requires the absence of noise at nuisance levels.
<b>Oil separator</b>	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).
<b>PRTR</b>	Pollutant Release and Transfer Register.

<b>Quarterly</b>	At approximately three – monthly intervals.
<b>Residual Waste</b>	The fraction of collected waste remaining after a treatment or diversion step, which generally requires further treatment or disposal, including mixed municipal waste.
<b>Sample(s)</b>	Unless the context of this licence indicates to the contrary, the term samples shall include measurements taken by electronic instruments.
<b>Sanitary effluent</b>	Wastewater from facility toilet, washroom and canteen facilities.
<b>Separate collection</b>	The collection of biowaste separately from other kinds of waste in such a way as to avoid the different waste fractions or waste components from waste being mixed, combined or contaminated with other potentially polluting wastes, products or materials.
<b>Sludge</b>	The accumulation of solids resulting from chemical coagulation, flocculation and/or sedimentation after water or wastewater treatment, with greater than 2% dry matter.
<b>SOP</b>	Standard operating procedure.
<b>Source segregated waste</b>	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.
<b>Specified emissions</b>	Those emissions listed in <i>Schedule B: Emission Limits</i> , of this licence.
<b>Standard method</b>	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.
<b>Storage</b>	Includes holding of waste.
<b>Storm water</b>	Rain water run-off from roof and non-process areas.
<b>The Agency</b>	Environmental Protection Agency.
<b>Trade effluent</b>	Trade effluent has the meaning given in the Water Services Act, 2007.
<b>Treatment/Pre-treatment</b>	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, including baling and wrapping of waste.
<b>Trigger level</b>	A parameter value, the achievement or exceedance of which requires certain actions to be taken by the licensee.

**Water Services Authority**      Westmeath County Council.

**Weekly**                      During all weeks of plant operation and, in the case of emissions, when emissions are taking place; with at least one measurement in any one week.

**WWTP**                      Waste water treatment plant.

## ***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 Act 1996 as amended.

In reaching this decision the Environmental Protection Agency has considered the documentation relating to the application Register Number: W0285-01. 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 contained therein.

It is considered that the Environmental Impact Assessment Report (as included in the Inspectors Report dated 27<sup>th</sup> August 2015) 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 proposed 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.

A screening for Appropriate Assessment was undertaken to assess, in view of best scientific knowledge and the conservation objectives of the site, if the proposed activity, individually or in combination with other plans or projects is likely to have a significant effect on a European Site(s). In this context, particular attention was paid to the European sites at River Boyne and River Blackwater SAC [Site code 002299], Mount Hevey Bog SAC [Site code 002342], Lough Ennell SAC & SPA [SAC site code 000685 & SPA site code 004044], Lough Owel SAC & SPA [SAC site code 000688 & SPA site code 004047], Scragh Bog SAC [Site code 000692] and Lough Derravaragh SPA [Site code 004043]. The Agency considered, for the reasons set out below, that the proposed activity is not directly connected with or necessary to the management of those sites as European Sites and that it can be excluded, on the basis of objective scientific information, that the proposed activity, individually or in combination with other plans or projects, will have a significant effect on a European site, and accordingly the Agency determined that an Appropriate Assessment of the proposed activity was not required.

The reasons for which the Agency determined that an Appropriate Assessment of the proposed activity is not required are as follows:

- The facility is not located within a European Site.
- The activity will not result in damage to, or loss of, habitat in a European Site.
- There will be no process discharge from the facility to the European Sites.
- Storm water is the only proposed discharge to surface water from the facility.

## ***Part I Schedule of Activities Licensed***

In pursuance of the powers conferred on it by the Waste Management Act 1996 as amended, the Environmental Protection Agency (the Agency) proposes, under Section 40(1) of the said Acts to grant this Waste Licence to Bio Agrigas Limited, Newdown, The Downs, Mullingar, County Westmeath to carry on the waste activities listed below at Newdown, The Downs, Mullingar, County Westmeath subject to conditions, with the reasons therefor and the associated schedules attached thereto set out in the licence.

### **Licensed Waste Recovery Activities, in accordance with the Fourth Schedule of the Waste Management Act 1996 as amended**

<b>Class R 3.</b>	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.
<b>Class R 11.</b>	Use of waste obtained from any of the operations numbered R 1 to R 10.
<b>Class R 13.</b>	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.
- 1.3 For the purposes of this licence, the facility is the area of land outlined in red on Drawing No. 111\_001\_812 Revision D2 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 Waste Acceptance Hours
- 1.5.1 Waste shall be accepted at or dispatched from the facility only between the hours of 0800 and 1900 Monday to Friday inclusive and 0800 to 1300 on Saturdays, unless otherwise agreed by the Agency.
- 1.5.2 The facility shall not be operated or waste accepted or dispatched on Sundays or on Public Holidays unless otherwise agreed by the Agency.
- 1.5.3 Biological treatment activities (inclusive of the combined heat and power plant) may be operated continuously, 24 hours per day, 7 days per week.
- 1.6 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.
- 1.7 Prior to commencing waste activities involving animal by-products the licensee shall maintain evidence for inspection by the Agency that it has obtained the written consent of the Department of Agriculture, Food and the Marine to treat animal by-products at the facility.
- 1.8 This licence is for purposes of waste licensing under the Waste Management Act 1996 as amended only and nothing in this licence shall be construed as negating the licensee's statutory obligations, or requirements under any other enactments or regulations.
- 1.9 The licensee shall not accept more than an average of 100 tonnes per day at the facility, calculated on a weekly basis.

**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.

### 2.2 Environmental Management System (EMS)

- 2.2.1 The licensee shall establish, maintain and implement an Environmental Management System (EMS), which shall incorporate energy efficiency management, prior to the commencement of the activity. The EMS shall be reviewed for suitability, adequacy and effectiveness and updated on an annual basis.
- 2.2.2 The EMS shall include, as a minimum, the following elements:
  - 2.2.2.1 An environmental policy defined for the facility.
  - 2.2.2.2 Management and Reporting Structure.
  - 2.2.2.3 Schedule of Environmental Objectives and Targets.

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

- 2.2.2.4 Environmental Management Programme (EMP)

The licensee shall prepare, maintain and implement an EMP, including a time schedule, for achieving the Environmental Objectives and Targets prepared under Condition 2.2.2.3. The EMP 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.

- 2.2.2.5 Documentation

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

#### 2.2.2.6 Corrective and Preventative Action

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

#### 2.2.2.7 Awareness and Training

The licensee shall establish, maintain and implement 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.

#### 2.2.2.8 Communications Programme

The licensee shall establish, maintain and implement 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.

#### 2.2.2.9 Maintenance Programme

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

#### 2.2.2.10 Efficient Process Control

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

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

### Condition 3. Infrastructure and Operation

- 3.1 The licensee shall establish 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 facility and is not specified in the licence, shall be installed in accordance with the schedule submitted in the application.

### 3.2 Facility Notice Board

3.2.1 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.

3.2.2 The board shall clearly show:

- (i) the name and telephone number of the facility;
- (ii) the normal hours of opening;
- (iii) the name of the licence holder;
- (iv) an emergency out of hours contact telephone number;
- (v) the licence reference number; and
- (vi) where environmental information relating to the facility can be obtained.

3.2.3 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.

### 3.3 Specified Engineering Works

3.3.1 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.

3.3.2 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.

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

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

### 3.4 Facility Security

3.4.1 Security and stockproof fencing and gates shall be installed and maintained. The base of the fencing shall be set in the ground. Subject to the implementation of the Decommissioning Management Plan and to the agreement of the Agency, the requirement for such site security may be removed.

3.4.2 The licensee shall maintain a CCTV monitoring system which records all waste vehicle movement into and out of the facility. The CCTV system shall be operated at all times with digital date stamping. Copies of recordings shall be kept on site and made available to the Agency on request.

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

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

3.4.5 The licensee shall remedy any defect in the gates and/or fencing as follows:

3.4.5.1 A temporary repair shall be made by the end of the working day; and

3.4.5.2 A repair to the standard of the original gates and/or fencing shall be undertaken within three working days.

- 3.5 Facility Roads and Site Surfaces
- 3.5.1 Effective site roads shall be provided and maintained to ensure the safe movement of vehicles within the facility.
- 3.5.2 The licensee shall provide, and maintain an impermeable concrete surface in the areas of the facility used for the movement, holding, storage or processing of waste, digestate and emissions. The surfaces shall be concreted 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.
- 3.6 Facility Office
- 3.6.1 The licensee shall provide and maintain an office at the facility. The office shall be constructed and maintained in a manner suitable for the processing and storing of documentation.
- 3.6.2 The licensee shall provide and maintain a working telephone and a method for electronic transfer of information at the facility.
- 3.7 Waste Inspection and Quarantine Areas
- 3.7.1 A Waste Inspection Area and a Waste Quarantine Area shall be provided and maintained at the facility.
- 3.7.2 These areas shall be constructed and maintained in a manner suitable, and be of a size appropriate, for the inspection of waste and subsequent quarantine if required. The waste inspection area and the waste quarantine area shall be clearly identified and segregated from each other.
- 3.7.3 Drainage from the quarantine area shall be directed for collection and safe disposal.
- 3.8 Weighbridge and Wheel Cleaning
- 3.8.1 The licensee shall provide and maintain a weighbridge and wheel cleaners at the facility.
- 3.8.2 The wheel cleaner shall be used by all vehicles leaving the facility as required to ensure that no process water or waste is carried off-site. All water from the wheel cleaning area shall be directed for collection and safe disposal.
- 3.8.3 The wheel-wash shall be inspected on a daily basis and drained as required. Silt, stones and other accumulated material shall be removed as required from the wheel-wash and disposed of appropriately.
- 3.9 Waste Treatment Infrastructure
- 3.9.1 Waste treatment infrastructure shall at a minimum comprise the following:
- (i) Waste acceptance, inspection, storage, treatment and processing areas including anaerobic digesters, waste pre-treatment and post-treatment plant and associated equipment;
  - (ii) Separate and enclosed storage areas for all waste, feedstock and waste treatment outputs including any screened fractions;
  - (iii) Agricultural feedstock storage areas that meet the Department of Agriculture, Food and the Marine's current farm building and structures specifications;
  - (iv) Leachate, digestate liquor and waste water management infrastructure;
  - (v) Biogas handling, storage, treatment and combustion infrastructure; and
  - (vi) Air handling and odorous air treatment infrastructure.
- 3.9.2 Items of plant deemed critical to the efficient and adequate processing of waste at the facility (including *inter alia* waste loading vehicles and ejector trailers) shall be provided on the following basis:-
- (i) 100% duty capacity;
  - (ii) 20% standby capacity available on a routine basis; and

- (iii) Provision of contingency arrangements and/or back up and spares in the case of breakdown of critical equipment.
- 3.9.3 The odour control system shall be provided on the following basis:-
- (i) 100% duty capacity; and
  - (ii) 50% standby capacity.
- 3.9.4 The licensee shall maintain an inventory 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.
- 3.9.5 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.
- 3.9.6 An enclosed tank shall be provided for storage of slurry.
- 3.9.7 The licensee shall provide shut-off valves on any surface/wastewater discharge lines.
- 3.10 Dust/Odour Control
- 3.10.1 The licensee shall install and provide adequate measures for the control of odours and dust emissions, including fugitive dust emissions, from the facility. Installation of a dust and odour management system shall at a minimum include the following:
- (i) Dust curtains (or equivalent approved by the Agency) shall be maintained on the entry/exit points from the waste reception building; all other doors in this building shall be kept closed where possible.
  - (ii) Unless otherwise agreed by the Agency, all buildings for processing **or** storing residual, food or odour-forming waste and materials shall use automated rapid action doors and be maintained at negative air pressure with ventilated gases being subject to treatment.
- 3.11 Storm Water Management
- Storm water management infrastructure shall be provided and maintained at the facility during operation, closure, restoration and aftercare of the facility. As a minimum, the infrastructure shall be capable of the following:-
- a) the prevention of discharge of contaminated water, process effluent and/or leachate into surface water drains and courses; and
  - b) the collection/diversion of run-off arising from paved areas.
- 3.12 Unless treated on the facility, trade effluent stored in on-site storage tanks shall be tankered off-site in fully enclosed road tankers to an agreed wastewater treatment plant and disposed of there.
- 3.13 The licensee shall provide and use adequate lighting during the operation of the facility.
- 3.14 The licensee shall install on all emission points such sampling points or equipment, including any data-logging or other electronic communication equipment, as may be required by the Agency. All such equipment shall be consistent with the safe operation of all sampling and monitoring systems.
- 3.15 In the case of composite sampling of aqueous emissions from the operation of the facility, a separate composite sample or homogeneous sub-sample (of sufficient volume as advised) shall be refrigerated immediately after collection and retained for 48 hours for EPA use.
- 3.16 The licensee shall clearly label and provide safe and permanent access to all on-site sampling and monitoring points and to off-site points as required by the Agency. The requirement with regard to off-site points is subject to the prior agreement of the landowner(s) concerned.

### 3.17 Tank, Container and Drum Storage Areas

- 3.17.1 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).
- 3.17.2 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.
- 3.17.3 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 5.8.
- 3.17.4 All inlets, outlets, vent pipes, valves and gauges shall be within the bunded area.
- 3.17.5 All tanks, containers and drums shall be labelled with a unique identifier and to clearly indicate their contents and capacity.
- 3.17.6 Liquid residues from the biological treatment processes shall be stored in sealed tanks or vessels that are vented to the odour control system, or by other means agreeable to the Agency, in order to avoid the emission of odorous head gases.

3.18 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.

### 3.19 Silt Traps and Oil Separators

The licensee shall install and 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 discharge from yard areas. The separator shall be a Class I full retention separator.

Unless otherwise agreed with the Agency the separator shall be a Class I full retention separator and the silt traps and separator shall be in accordance with I.S. EN-858-2: 2003 (separator systems for light liquids).

### 3.20 Fire-water Retention

- 3.20.1 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 prior to the commencement of waste acceptance.
- 3.20.2 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.
- 3.20.3 In the event of a fire or a spillage to storm water, the site storm water shall be diverted for collection. The licensee shall examine, as part of the response programme in Condition 3.20.2 above, the provision of automatic diversion of storm water for collection.
- 3.20.4 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 3.20.1 and 3.20.2 above.

- 3.21 All pump sumps, storage tanks, lagoons 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).
- 3.22 Pipework
- 3.22.1 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.
- 3.22.2 The licensee shall prior to the commencement of licensed activities at the facility label all pipework so as to differentiate between fuels, process flows and waste water. The labelling shall include the direction of flow.
- 3.22.3 All connections between vessels shall be capable of being closed by valves.
- 3.23 Groundwater
- 3.23.1 All groundwater monitoring boreholes shall be adequately protected to prevent contamination or physical damage.
- 3.23.2 Groundwater wells shall be labelled in situ with their respective identification number and casing elevation in meters above ordnance datum Malin Head.
- 3.23.3 Any new groundwater monitoring wells shall be constructed having regard to the guidance given in the Guidance Note Landfill Manual – Guidance Note on Landfill Monitoring, which was published by the Agency.
- 3.24 The licensee shall 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 The licensee shall provide and maintain a wastewater treatment plant at the facility for the treatment of sanitary effluent arising on-site. Any waste water treatment system and percolation area shall satisfy the criteria set out in the *Code of Practice Wastewater Treatment and Disposal Systems Serving Single Houses (p.e < 10)*, published by the Environmental Protection Agency.
- 3.26 Natural gas or biodiesel meeting CEN standard EN14214 shall be used in the boilers on site. In the event of an interruption to the supply of natural gas or biodiesel, an alternative fuel such as gas oil may be used with the prior written agreement of the Agency.

**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 Continuous Monitoring
- (i) No 24 hour mean value shall exceed the emission limit value.
- (ii) 97% of all 30 minute mean values taken continuously over an annual period shall not exceed 1.2 times the emission limit value.
- (iii) No 30 minute mean value shall exceed twice the emission limit value.



- 4.1.2 Non-Continuous Monitoring
- (i) For any parameter where, due to sampling/analytical limitations, a 30 minute sample is inappropriate, a suitable sampling period should be employed and the value obtained therein shall not exceed the emission limit value.
  - (ii) For flow, no hourly or daily mean value, calculated on the basis of appropriate spot readings, shall exceed the relevant limit value.
  - (iii) For all other parameters, no 30 minute mean value shall exceed the emission limit value.
- 4.2 The concentration and volume flow limits for emissions to atmosphere specified in this licence shall be achieved without the introduction of dilution air and shall be based on gas volumes under standard conditions of:
- 4.2.1 From non-combustion sources:  
Temperature 273K, Pressure 101.3 kPa (no correction for oxygen or water content).
- 4.2.2 In the case of combustion gases (gas compression engine and flare):  
Temperature 273K, Pressure 101.3 kPa, dry gas; 5% oxygen.
- 4.3 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.
- 4.4 Noise  
Noise from the facility shall not give rise to sound pressure levels ( $L_{Aeq, T}$ ) measured at the noise-sensitive locations of the facility which exceed the limit values.
- 4.5 Dust and Particulate Matter  
Dust and particulate matters from the activity shall not give rise to deposition levels which exceed the limit value.
- 4.6 Digestate Quality Test Results  
The digestate quality standard set out in *Schedule E: Standards for Digestate Quality* of this licence shall apply to digestate after the anaerobic digestion phase and prior to mixing with other materials.

**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 There shall be no direct emissions to ground or groundwater.
- 5.5 No trade effluent, leachate and/or contaminated storm water shall be discharged to surface water courses.
- 5.6 There shall be no clearly audible tonal component or impulsive component in the noise emissions from the activity at the noise-sensitive locations.

5.7 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.

5.8 Emissions to Surface Water

Unless otherwise agreed by the Agency, the trigger levels for the storm water discharge to land drain at location SW-1 are:-

- (i) Suspended Solids 35mg/l;
- (ii) BOD 2.6 mg/l; and
- (iii) Total Ammonia (as N) 0.140 mg/l.

<p><b>Reason:</b> To provide for the protection of the environment by way of control and limitation of emissions.</p>
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## 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 emissions to atmosphere. This programme shall be submitted to the Agency in advance of 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 abatement equipment as determined by the test programme, shall be incorporated into the standard operating procedures.

6.1.4 The test programme shall as a minimum:

- (i) establish all criteria for operation, control and management of the abatement equipment to ensure compliance with the emission limit values specified in this licence; and
- (ii) assess the performance of any monitors on the abatement system and establish a maintenance and calibration programme for each monitor.

6.1.5 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 The licensee shall ensure that groundwater monitoring well sampling equipment is available/installed on-site and is fit for purpose at all times. The sampling equipment shall be to Agency specifications.
- 6.7 All treatment/abatement and emission control equipment shall be calibrated and maintained in accordance with the instructions issued by the manufacturer/supplier or installer.
- 6.8 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.
- 6.9 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.
- 6.10 The integrity and water tightness of all pipes (including underground pipes), tanks, bunding structures and containers and their resistance to penetration by water or other materials carried or stored therein shall be tested and demonstrated by the licensee prior to use. This testing shall be carried out by the licensee at least once every three years thereafter and reported to the Agency on each occasion. This testing shall be carried out in accordance with any guidance published by the Agency. A written record of all integrity tests and any maintenance or remedial work arising from them shall be maintained by the licensee.
- 6.11 The drainage system (i.e., gullies, manholes, any visible drainage conduits and such other aspects as may be agreed) 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. The licensee shall maintain a drainage map on site. The drainage map shall be reviewed annually and updated as necessary.
- 6.12 An inspection system for the detection of leaks on all flanges and valves on over-ground pipes used to transport materials other than water shall be developed and maintained prior to the commencement of the activity.

6.13 Storm Water

- 6.13.1 A visual examination of the storm water discharges shall be carried out daily. A log of such inspections shall be maintained.
- 6.13.2 The licensee shall develop, maintain and implement to the satisfaction of the Agency a response programme to address instances where the trigger level values, as set in Condition 5 of this licence, are exceeded. This response programme shall include actions designed to ensure that there will be no storm water emissions of environmental significance.

6.14 Litter Control

- 6.14.1 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 10.00am of the next working day after such waste is discovered.
- 6.14.2 The licensee shall ensure that all vehicles delivering waste to and removing waste and materials from the facility are appropriately covered.

6.15 Dust/Odour Control

- 6.15.1 The road network in the vicinity of the facility shall be kept free from any debris caused by vehicles entering or leaving the facility. Any such debris or deposited materials shall be removed without delay.
- 6.15.2 The licensee shall maintain and implement a programme to demonstrate negative pressure and building envelope integrity throughout all buildings where residual, food or other odour-forming waste and materials are deposited, held, stored or treated to ensure that there is no significant escape of odours. The programme shall also maintain all criteria for the operation and control of negative pressure. This programme shall be reviewed at least annually.
- 6.15.3 The licensee shall undertake, at a frequency to be agreed or directed by the Agency, and in any case no less than once every three years, an odour impact assessment. The assessment shall identify and quantify all significant odour sources at the facility and shall include an assessment of the suitability and adequacy of the odour control system. Any recommendations arising from the odour impact assessment shall be implemented following agreement by the Agency.
- 6.15.4 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.

6.16 Monitoring Locations

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

6.17 Nuisance Monitoring

The licensee shall, on a daily basis, inspect the facility and its immediate surrounds for nuisances caused by vermin, birds, flies, mud, dust and odours. The licensee shall maintain a record of all nuisance inspections.

6.18 Noise

The licensee shall carry out a noise survey of the site operations as required by the Agency. 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.

**6.19 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 determined by reference to EC Regulation 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.

**6.20** The licensee shall, within six months of the date of grant of this licence, develop, establish and implement a Data Management System for collation, archiving, assessing and graphically presenting the monitoring data generated as a result of this licence.

**Reason:** *To provide for the protection of the environment by way of treatment and monitoring of emissions.*

## **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 commissioning of the facility. 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, rainwater harvesting and leak detection, 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** Disposal or recovery of waste on-site shall only take place in accordance with the conditions of this licence and in accordance with the appropriate National and European legislation and protocols.

**8.2** 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.

**8.3** 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.

**8.4** The loading and unloading of materials shall be carried out in designated areas protected against spillage and leachate run-off.

- 8.5 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.
- 8.6 Waste for disposal/recovery off-site shall be analysed in accordance with *Schedule C: Control & Monitoring*, of this licence.
- 8.7 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.
- 8.8 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.
- 8.9 Waste Acceptance and Characterisation Procedures
- 8.9.1 Waste shall only be accepted at the facility from local authority waste collection or transport vehicles or holders of waste permits, unless exempted or excluded, issued under the Waste Management Act 1996 as amended. Copies of these waste collection permits shall be maintained at the facility.
- 8.9.2 No hazardous waste shall be accepted at the facility.
- 8.9.3 Waste shall be accepted at the facility only from known waste producers or new waste producers 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 waste producers and for a two year period following termination of licensee/waste producer agreements.
- 8.9.4 The licensee shall, prior to commencement of waste acceptance at the facility, develop and thereafter maintain and implement detailed written procedures and criteria for:
- (i) characterisation, compliance testing, acceptance, on-site verification and handling of all wastes and other feedstock arriving at the facility;
  - (ii) rejection of unacceptable incoming waste and other feedstock; and
  - (iii) ensuring adequate storage capacity exists in advance of acceptance of waste and other feedstock.
- 8.9.5 Waste and other feedstock accepted for biological treatment at the facility shall be conducive to biological treatment, facilitate the achievement of any relevant output quality standards and be compatible with the appropriate end-use for the biologically treated material.
- 8.9.6 Waste arriving at the facility shall be inspected and have its documentation checked at the point of entry to the facility and, subject to this inspection, weighed, documented and directed to the appropriate waste transfer/treatment or quarantine area. Each load of waste arriving at the facility shall be inspected upon tipping within the facility. Only after such inspection shall the waste be processed for recovery.
- 8.9.7 A record of all inspections of incoming waste loads shall be maintained.
- 8.9.8 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.

- 8.10 Operational Controls
- 8.10.1 All residual, food and other odour-forming waste accepted at the facility shall be treated within 72 hours of its arrival at the facility or removed from the facility.
  - 8.10.2 The floor and surfaces of the waste reception pit shall be cleaned from waste debris daily or when cleared of waste and in any event every 72 hours.
  - 8.10.3 All waste treatment equipment shall be cleared of waste at an appropriate frequency.
  - 8.10.4 Wash water arising at the facility and leachate from the storage pits shall be used in the production process or removed for treatment offsite.
  - 8.10.5 Biogas that cannot be utilised due to exceptional circumstances shall be automatically routed to the flare stack for treatment.
- 8.11 Biogas Treatment
- 8.11.1 The facility shall be operated to maximise the production of biogas.
  - 8.11.2 The CHP plant shall be suitable for biogas and shall be protected against the corrosive properties of biogas.
  - 8.11.3 The use of the flare unit shall be automatically logged and recorded.
  - 8.11.4 The destruction efficiency of the flare unit shall be determined annually. A record of the test results shall be maintained at the facility for inspection by the Agency.
- 8.12 Quality of Digestate
- 8.12.1 Digestate shall comply with the quality standard as set out in *Schedule E: Standards for Digestate Quality* of this licence or an alternative quality standard.
  - 8.12.2 An alternative quality standard for digestate may be used, subject to the agreement of the Agency. The use of any agreed alternative quality standard for digestate shall not cause direct or indirect adverse impacts on human animal or plant health and shall not cause environmental pollution.
  - 8.12.3 Treated waste that fails to meet the quality standard for digestate as set out Tables E.1 Maximum Respiration Activity, E.3 Pathogenic Organism Content Limits, E.4 Impurity Content Limits and E.5 Organic Matter Content Limit of *Schedule E: Standards for Digestate Quality* of this licence may be reused in the process or treated as waste. Treated waste that fails to meet the quality standard for compost as set out Table E.2 Maximum Metal Concentration Limits of *Schedule E: Standards for Digestate Quality* of this licence shall be handled as waste and shall not be reused in the process. A record shall be kept on site of all batches that do not meet the relevant quality standard. Where handled as a waste details shall be recorded as per Condition 11 of the licence.
  - 8.12.4 Digestate shall be suitable for agricultural/horticultural improvement or ecological benefit without causing direct or indirect adverse impacts on human, animal or plant health and without causing environmental pollution.
  - 8.12.5 Where an alternative digestate quality standard is agreed by the Agency in accordance with Condition 8.12.2 above, the digestate monitoring programme associated with the agreed alternative digestate quality standard may be employed in lieu of the digestate quality monitoring requirements of this licence provided that details and results of the alternative monitoring programme are maintained on-site for inspection by the Agency and are reported to the Agency in accordance with the reporting requirements of this licence.
  - 8.12.6 In the event of failure to achieve a quality standard parameter for digestate as set out in *Schedule E: Standards for Digestate Quality* of this licence:
    - (i) The licensee shall evaluate any feedstock and/or process changes relevant to the sampled batch of material prior to the sampling date and specify the corrective actions taken including any re-sampling or reuse of the failed material back into the anaerobic digestion process.

- (ii) Subsequent batches of treated waste shall be tested against all parameters in *Schedule E: Standards for Digestate Quality* of this licence in order to re-validate the process. Only following the pass of three successive batches through the process can the process be deemed to be stable and the normal compliance monitoring programme re-instated. The licensee shall notify the Agency when the process has been re-validated and deemed to comply with the requirements of this condition.
- (iii) A test failure shall be treated as an incident.

#### 8.13 Digestate Monitoring

- 8.13.1 Digestate quality monitoring shall be undertaken to demonstrate compliance with the quality standard as set out in *Schedule E: Standards for Digestate Quality* of this licence.
- 8.13.2 Digestate analysis shall be carried out at the frequency specified below, unless otherwise agreed or instructed by the Agency.
  - (a) Every six months where more than 500 and up to 1,000 tonnes of digestate is produced per year.
  - (b) At intervals of at least every 1,000 tonnes of digestate produced or every 3 months, whichever comes first, where more than 1,000 and up to 10,000 tonnes of digestate is produced per year.
  - (c) Every month where more than 10,000 tonnes of digestate is produced per year.
- 8.13.3 If the composition of the feedstock changes significantly or if significant modifications are made to the process, the process shall be re-validated by testing batches until three successive batches achieve the relevant standard.

#### 8.14 Waste, other feedstock and digestate storage

All waste, other feedstock and digestate storage and holding areas shall be inside buildings or vessels protected as may be appropriate against spillage, leachate run-off and odour emission.

#### 8.15 Waste and Feedstock Storage Plan

- 8.15.1 The licensee shall, prior to commencement of waste acceptance at the facility, develop and thereafter maintain and implement a Waste and Feedstock Storage Plan for all waste, feedstock, digestate and leachate stored and held at the facility.
- 8.15.2 The Waste and Feedstock Storage Plan shall include:
  - a limit on the volume of materials to be stored or held in designated storage areas or vessels;
  - maximum stockpile sizes in designated storage areas or maximum storage volume in vessels;
  - a limit on the maximum storage or holding period for materials in designated storage areas or vessels; and,
  - any other requirements arising from recommendations of the fire risk assessment required by Condition 9.5 of this licence.
- 8.15.3 Waste and feedstock storage and holding practices at the facility shall comply at all times with the Waste and Feedstock Storage Plan.
- 8.15.4 Waste accepted or generated at the facility, including digestate and leachate, and other feedstock shall be stored or held only in designated areas or vessels that have been identified in the Waste and Feedstock Storage Plan.



- 8.15.5 All designated areas or vessels for storage or holding of waste, other feedstock, digestate and leachate shall be:
- clearly labelled;
  - appropriately segregated; and
  - visibly or physically delineated by walls, dividers, painted lines or marks on the ground or other methods acceptable to the Agency.

**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, in advance of the commencement of the activity, 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, in advance of the date of commencement of the activity, ensure that a documented Emergency Response Procedure is in place that addresses any emergency situation which may originate on-site, including fire. 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 complete breakdown of equipment or any other occurrence which results in the closure of the facility for more than 48 hours, 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 facility is returned to a fully operational status. Such a breakdown event will be treated as an emergency and rectified as soon as possible.
- 9.4.2 All significant spillages occurring at the facility shall be treated as an emergency situation and immediately cleaned up and dealt with so as to alleviate their effects.

- 9.4.3 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 In the event that monitoring of local wells indicates that the facility is having a significant adverse effect on the quantity and/or quality of the water supply this shall be treated as an emergency and the licensee shall provide an alternative supply of water to those affected.
- 9.5 The licensee shall arrange, within six months of the date of grant of this licence and every three years thereafter, for the completion, by an independent and appropriate qualified consultant, of a fire risk assessment for the facility. The assessment shall examine all relevant factors on site that impinge on fire risk and prevention. The assessment shall have regard to the EPA Guidance Note: Fire Safety at Non-Hazardous Waste Transfer Stations, 2013. Any recommendations in the fire risk assessment shall be implemented by the licensee.

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

## **Condition 10. Decommissioning & Residual 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 prior to commencement of waste acceptance at the facility.
- 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's Guidance on Assessing and Costing Environmental Liabilities (2014) and, as appropriate, Guidance on Environmental Liability Risk Assessment, Residuals Management Plans, and Financial Provision (2006) and the baseline report, 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 licensee shall notify the Agency, in a format as may be specified by the Agency, one month in advance of the intended date of commencement of the Scheduled Activities.
- 11.2 The licensee shall notify the Agency by both telephone and either email or webform, 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.
- 11.3 In the event of any incident which relates to discharges to sewer having taken place, the licensee shall notify the Local Authority and Irish Water as soon as practicable after such an incident.
- 11.4 The following shall be notified, as soon as practicable after the occurrence of any incident which relates to a discharge to water:
- (i) Inland Fisheries Ireland / Department of Agriculture, Food and the Marine in the case of discharges to receiving waters.
  - (ii) Irish Water and /or Water Services Authority, in the case of any incident where the discharge(s) have been identified as upstream of a drinking water abstraction point.
- 11.5 The licensee shall make a record of any notification made under Condition 11.2. 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. In the case of a breach of a condition, the record shall include the measures taken to restore compliance. The licensee shall, as soon as practicable following incident notification, submit to the Agency the incident record.
- 11.6 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.
- 11.7 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.

- 11.8 The licensee shall as a minimum ensure that the following documents are accessible at the site:
- (i) the licences relating to the facility;
  - (ii) the current EMS for the facility, including all associated procedures, reports, records and other documents;
  - (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;
  - (ix) all training undertaken by facility staff;
  - (x) results from all integrity tests of bunds and other structures and any maintenance or remedial work arising from them;
  - (xi) details of all nuisance inspections;
  - (xii) the names and qualifications of all persons who carry out all sampling and monitoring as required by this licence and who carry out the interpretation of the results of such sampling and monitoring. Any proposed changes to the above shall be submitted in writing to the Agency for its agreement; and
- a detailed drawing indicating all drainage arrangements at the facility. This documentation shall be available to the Agency for inspection at all reasonable times.
- 11.9 The licensee shall submit to the Agency, by the 31<sup>st</sup> March of each year, an AER covering the previous calendar year. This report, which shall be to the satisfaction of the Agency, shall include as a minimum the information specified in *Schedule F: Annual Environmental Report*, of this licence and shall be prepared in accordance with any relevant guidelines issued by the Agency.
- 11.10 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 and shall as a minimum contain details of the following:
- (i) the tonnages, description, composition and EWC Code for the waste materials accepted and/or sent off-site for disposal/recovery;
  - (ii) the names of the agent and carrier of the waste, and their waste collection permit details, if required (to include issuing authority and vehicle registration number);
  - (iii) details of the ultimate disposal/recovery destination facility for the waste and its appropriateness to accept the consigned waste stream, to include its permit/licence details and issuing authority, if required;
  - (iv) details of the destination of digestate batches;
  - (v) written confirmation of the acceptance and disposal/recovery of any hazardous waste consignments sent off-site;
  - (vi) 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 must form part of the record;
  - (vii) details of any rejected consignments;
  - (viii) details of any approved waste mixing;

- (ix) the results of any waste analyses required under *Schedule C: Control & Monitoring*, of this licence; and
  - (x) the tonnage and EWC Code for the waste materials recovered/disposed on-site.
- 11.11 The licensee shall maintain a computer based record for each load of waste arriving at and departing from 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) a description of the waste including the associated EWC/HWL codes;
  - (viii) the quantity of the waste, recorded in tonnes;
  - (ix) details of the treatment(s) to which the waste has been subjected;
  - (x) the classification and coding of the waste, including whether MSW or otherwise;
  - (xi) whether the waste is for disposal or recovery and if recovery for what purpose;
  - (xii) the name of the person checking the load; and
  - (xiii) where loads or wastes are removed or rejected, details of the date of occurrence, the types of waste and the facility to which they were removed.
- 11.12 Waste Recovery Reports
- The licensee shall as part of the AER submit a report on the contribution by this facility to the achievement of the recovery targets and strategy stated in national and European Union waste policies and shall include the following:-
- (i) the recovery/treatment of biowaste (including contribution of facility to the pre-treatment targets in the EU Landfill Directive); and
  - (ii) the recovery of energy through biogas combustion.
- 11.13 A record shall be kept at the facility of the programme for the control and eradication of vermin and fly infestations at the facility. These records shall include as a minimum the following:-
- (i) the date and time during which spraying of insecticide is carried out;
  - (ii) contractor details;
  - (iii) contractor logs and site inspection reports;
  - (iv) details of the rodenticide(s) and insecticide(s) used;
  - (v) operator training details;
  - (vi) details of any infestations;
  - (vii) mode, frequency, location and quantity of application; and,
  - (viii) measures to contain sprays within the facility boundary.
- 11.14 A record shall be kept of each consignment of trade effluent, leachate, digestate liquor 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, or other liquid waste and/or contaminated storm water from the facility;
  - (iii) the volume of trade effluent, or other liquid waste and/or contaminated storm water, in cubic metres, removed from the facility on each occasion;

- (iv) the name and address of the Waste Water Treatment Plant to which the trade effluent, or other liquid waste and/or contaminated storm water was transported; and
  - (v) any incidents or spillages of trade effluent, or other liquid waste and/or contaminated storm water during its removal or transportation.
- 11.15 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.
- 11.16 All reports shall be certified accurate and representative by the facility manager or a nominated, suitably qualified and experienced deputy.

**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 €9,478, 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 Act 1996 as amended. The first payment shall be a pro-rata amount for the period from the date of grant of this licence to the 31<sup>st</sup> 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 Act 1996 as amended, 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 Environmental Liabilities

- 12.2.1 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.
- 12.2.2 The licensee shall arrange for the completion, by an independent and appropriately qualified consultant, of a comprehensive and fully costed Environmental Liabilities Risk Assessment (ELRA) which addresses the liabilities from past and present activities. The assessment shall include those liabilities and costs identified in Condition 10 for execution of the DMP. A report on this assessment shall be submitted to the Agency for agreement in advance of the commencement of waste acceptance. 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.
- 12.2.3 In advance of the commencement of the activity, the licensee shall, to the satisfaction of the Agency, make financial provision to cover any liabilities associated with the operation (including closure and decommissioning). 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 12.2.1.

- 12.2.4 The licensee shall revise the cost of closure annually and any adjustments shall be reflected in the financial provision made under Condition 12.2.3.
- 12.2.5 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 12.2.2 and 12.2.3 above.

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

## SCHEDULE A: Limitations

### A.1 Authorised Processes

The following waste related processes are authorised:

- Anaerobic digestion of waste and feedstock, and associated processes including:
  - o waste pre-treatment and preparation for anaerobic digestion,
  - o digestate treatment,
  - o biogas combustion in combined heat and power engines and flare,
  - o storage of waste and outputs of waste treatment, and
  - o processes for the management and mitigation of environmental emissions.

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

### A.2 Waste and Materials Acceptance

The list of waste in the following table is without prejudice to any restrictions placed on the activity by the Department of Agriculture, Food and the Marine in relation to the acceptance and processing of waste comprising or containing animal by-products.

**Table A.2 Waste and Materials Accepted**

Waste or Feedstock Type <sup>Note 1</sup>	EWC Code or Description	Maximum (tonnes per annum)
Non-hazardous biodegradable waste.	02 01 02 02 01 06 02 06 01	20,000
Non-hazardous biodegradable feedstock (non-waste).	Grass/maize silage Fodder beet	

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



**SCHEDULE B: Emission Limits**

**B.1 Emissions to Air**

**Emission Point Reference No.:** Gas utilisation engines A2-1 and A2-2  
**Location:** Reference Drawing No. 111\_001\_821 (Revision D2)  
**Grid reference:** A2-1: X 251122, Y 250587  
 A2-2: X 251121, Y 250585  
**Minimum stack discharge height:** 15m above ground  
**Maximum flow volume:** 3,000 Nm<sup>3</sup>/hr

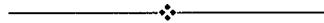
Parameter	Emission Limit Value <sup>Note 1</sup>
Oxides of Nitrogen (NOx as NO <sub>2</sub> )	400 mg/m <sup>3</sup>
Sulphur dioxide	150 mg/m <sup>3</sup>
Carbon Monoxide	1,400 mg/m <sup>3</sup>
Total VOCs (including CH <sub>4</sub> )	500 mg/m <sup>3</sup>

Note 1: Emission limits shall be normalised to 5% O<sub>2</sub>.



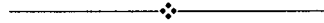
**Emission Point reference no:** A2-3 Biofilter  
**Location:** Reference Drawing No. 111\_001\_821 (Revision D2)  
**Grid reference:** X 251094, Y 250567  
**Minimum stack discharge height:** 15m above ground  
**Maximum flow volume:** 41,064 Nm<sup>3</sup>/hr

Parameter	Emission Limit Value
Ammonia	50 ppm (v/v)
Hydrogen sulphide	5 ppm (v/v)
Mercaptans	5 ppm (v/v)
Odour	1000 Oue/m <sup>3</sup>



**B.2 Emissions to Water**

There shall be no emissions to water of environmental significance.



**B.3 Emissions to Sewer**

There shall be no process effluent emissions to sewer.



**B.4 Noise Emissions**

Daytime dB L <sub>Af,T</sub> (30 minutes)	Evening time dB L <sub>Af,T</sub> (30 minutes)	Night-time dB L <sub>Aeq,T</sub> (15-30 minutes)
55	50	45 <sup>Note 1</sup>

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

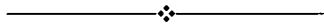


**B.5 Dust Deposition Limits**

**Monitoring Point Reference No:** D1, D2, D3, D4  
**Location:** Reference Drawing No. 111\_001\_821 (Revision D2)  
**Grid reference:** D1: X 251165, Y 250508  
 D2: X 251244, Y 250614  
 D3: X 251160, Y 250684  
 D4: X 251075, Y 250577

Level (mg/m <sup>2</sup> /day) <sup>Note 1</sup>
350

**Note 1:** 30 day composite sample with the results expressed as mg/m<sup>2</sup>/day.



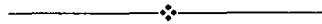
### SCHEDULE C: Control & Monitoring

#### C.1.1. Control of Emissions to Air

Emission Point Reference No: A2-1 and A2-2  
 Description of Treatment: Biogas combustion

Control Parameter	Monitoring	Key Equipment <sup>Note 1</sup>
Biogas intake flow	Continuous with alarm/call-out	Flow detector
Pressure in gas system	Continuous with alarm/call-out	Pressure gauge or equivalent approved Standby flare
Continuous burn	Continuous with alarm/call-out	Flame detector or equivalent approved Pumps/engines Standby flare
Internal combustion stability	Continuous stability monitoring	Frequency control system
Stack temperature	Continuous with alarm/call-out	Temperature probe
Stack efflux velocity	Continuous with alarm/call-out	Standard equipment
Emission flow volume	Continuous with alarm/call-out	Standard equipment
Gas engine operation	Continuous with alarm/call-out	Standard equipment
Quality of biogas	Concentration of total halogenated hydrocarbons and sulphur compounds.	Standard sampling and analytical equipment

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



Emission Point Reference No: A2-4 (standby biogas flare)  
 Location: Reference Drawing No. 111\_001\_821 (Revision D2)  
 Description of Treatment: Biogas Combustion

Control Parameter	Monitoring	Key Equipment <sup>Note 1</sup>
Automatic ignition	Continuous monitoring of biogas levels	Gas storage level monitoring
Automatic temperature/pressure	Flow, pressure and temperature	Flow, temperature and pressure indicators Appropriate equipment
Flare unit efficiency	Annual testing	Standard equipment
Flue gas outlet temperature (at least 900°C at all times)	Continuous with alarm/call-out	Standard equipment
Flue gas residence time (at least 0.3 seconds at all times)	Continuous with alarm/call-out	Standard equipment

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



Emission Point Reference No: A2-3  
 Description of Treatment: Biofiltration

Control Parameter	Monitoring	Key Equipment <sup>Note 1</sup>
<b>Air Management and Treatment</b>		
Air extraction	Continuous with alarm/call-out	Pumps/ engines Pressure gauges
<b>Bed Media <sup>Note 2</sup></b>		
Odour assessment	Daily	Subjective impression
Condition and depth of bed media	Daily	Visual inspection
Moisture content	Monthly	Agreed method
pH	Bi-annually	Agreed method
Ammonia	Bi-annually	Agreed method
Total viable counts	Bi-annually	Agreed method
<b>General</b>		
Fan	Daily visual check	System is operational
Negative pressure across biofilter	Monthly	Air current tubes

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

**Note 2:** The biofilter shall be examined to ensure that no channelling is evident. Turning, restructuring and the addition of supplementary bed materials or total replacement of bed materials shall be carried out as required subject to bed performance.

◆

**C.1.2. Monitoring of Emissions to Air**

Emission Point Reference No: A2-1 and A2-2

Parameter	Monitoring	Analysis Method/Technique
NOx (asNO <sub>2</sub> )	Monthly for first twelve months of operation and quarterly thereafter.	To be agreed with the Agency
SOx (as SO <sub>2</sub> )		
CO		
H <sub>2</sub> S		
Total VOC (including CH <sub>4</sub> )		

Emission Point Reference No:

A2-3

Parameter	Monitoring Frequency	Analysis Method/Technique
Odour	Quarterly	Olfactometric measurement
Ammonia Hydrogen sulphide Mercaptans Amines	Monthly for the first twelve months of operation and quarterly thereafter	Colorimetric indicator tubes <sup>Note 1</sup>

Note 1: Or an alternative method agreed by the Agency.

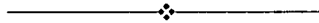


## C.2 Monitoring of Biological Treatment Processes

Parameter	Monitoring Frequency	Monitoring equipment/method
<b>• Pasteurisation</b>		
Temperature	Continuous	Temperature probe and recorder
Residence time at target temperature	Each batch	Time recorder
<b>• Anaerobic digestion process:</b>		
Inlet and outlet flow	Continuous	Flow meter
Temperature	Continuous	Temperature probe and recorder
pH	Continuous	pH probe
Pressure relief valve status (open/closed)	Continuous on each valve	Event and time recorder
Biogas flow	Continuous	Flow meter and recorder
Biogas pressure in digester system	Continuous	Pressure gauge and recorder
Biogas pressure in storage system	Continuous	Pressure gauge and recorder
Biogas pressure in CHP and flare systems	Continuous	Pressure gauge and recorder
CHP runtime	Continuous	Time recorder
Flare runtime	Continuous	Time recorder
Tank mixing systems status (on/off)	Continuous	Event and time recorder
<b>• Biogas analysis from anaerobic digestion</b>		
CH <sub>4</sub>	Continuous	Probe with recorder
CO <sub>2</sub>	Continuous	Probe with recorder
Total halogenated hydrocarbons	Monthly	To be agreed
Sulphur compounds	Monthly	To be agreed
<b>• General</b>		
Liquid level in tanks	Continuous	Probe with recorder
Foam level and control in digestion tanks	Continuous	Probe and foam dissipation techniques

**C.3 Control and Monitoring of Emissions to Water**

There shall be no emissions to water of environmental significance.

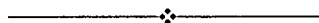


**C.4.1 Control of Storm Water Emissions**

**Emission Point Reference No:** SW1  
**Emission Point Location:** Reference Drawing No. 111\_001\_812 (Revision D2).  
**Grid reference:** E 251331, N 250653  
**Description of Treatment:** Oil interceptor/Silt trap.

Control Parameter	Monitoring	Key Equipment <sup>Note 1</sup>
Oil removal	Mineral oil concentration in water at discharge point	Class I full retention oil separators. Shut-off valve.
Suspended solids	Suspended solids concentration in water at discharge point	Silt trap.

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



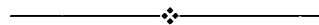
**C.4.2 Monitoring of Storm Water Emissions**

**Emission Point Reference No:** SW1

Parameter	Monitoring Frequency	Analysis Method/Technique
pH	Weekly	Standard method
Temperature	Weekly	Standard method
COD	Quarterly	Standard method
BOD	Quarterly	Standard method
Suspended Solids	Quarterly	Standard method
Total Ammonia	Quarterly	Standard method
Total Nitrogen	Quarterly	Standard method
Conductivity	Quarterly	Standard method
Mineral Oil	Quarterly	Standard method
Sulphate	Quarterly	Standard method
Visual Inspection	Daily	Sample and examine for colour and odour <sup>Note 1</sup> .
Other <sup>Note 2</sup>	As may be agreed by the Agency	As may be agreed by the Agency

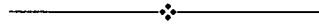
**Note 1:** Where there is evidence of contamination, additional samples should be analysed and the full suite of parameters shown tested.

**Note 2:** Any parameters as may be required by the Agency.



**C.5 Control and Monitoring of Emissions to Sewer**

There shall be no process effluent emissions to sewer.

**C.6 Noise Monitoring**

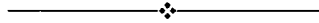
**Location:** N1, N2, N3, N4, N5 and at any additional locations as may be agreed by the Agency

**Grid reference:** N1: X 250660, Y 251154  
N2: X 251260, Y 251092  
N3: X 251160, Y 250434  
N4: X 251660, Y 250177  
N5: X 251360, Y 249977

Period	Minimum Survey Duration <sup>Note 1</sup>
Daytime (07:00 to 19:00hrs)	A minimum of 3 sampling periods at each noise monitoring location.
Evening-time (19:00 to 23:00hrs)	A minimum of 1 sampling period at each noise monitoring location.
Night-time <sup>Note 2</sup> (23:00 to 07:00hrs)	A minimum of 2 sampling periods at each noise monitoring location.

**Note 1:** Sampling period T shall be in accordance with *Schedule B.4 Noise Emissions*, of this licence. This applies to day, evening and night time periods.

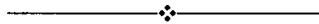
**Note 2:** Night-time measurements shall be made between 2300hrs and 0400hrs, Sunday to Thursday, with 2300hrs being the preferred start time.

**C.7 Ambient Monitoring****Ambient Air Monitoring**

**Location:** Dust – monitoring stations D1, D2, D3, D4 and at any additional locations as may be agreed by the Agency.

Parameter	Monitoring Frequency	Analysis Method/Technique
Dust deposition	Quarterly <sup>Note 1</sup>	VDI 2119 (Bergerhoff method)

**Note 1:** Twice during the period May to September concurrently with all of the above.





**Groundwater Monitoring**

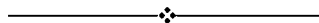
**Location:** To be agreed by the Agency

Parameter	Monitoring Frequency	Analysis Method/Techniques
pH	Biannually	pH electrode/meter
Conductivity	Biannually	Standard Method
COD	Biannually	Standard Method
Chloride	Biannually	Standard Method
Sulphate (as SO <sub>4</sub> )	Biannually	Standard Method
Nitrate (as N)	Biannually	Standard Method
Total Ammonia (as N)	Biannually	Standard Method
Orthophosphate	Biannually	Standard Method
Faecal Coliforms	Biannually	Standard Method
Total Coliforms	Biannually	Standard Method
Metals/non-metals <sup>Note 1</sup>	Annually	Standard Method
Hazardous Compounds <sup>Note 2</sup>	Annually	Standard Method
Other <sup>Note 3</sup>	As may be agreed by the Agency	As may be agreed by the Agency

**Note 1:** Metals and elements to be analysed by AA/ICP should include as a minimum: boron, cadmium, calcium, chromium (total), copper, iron, lead, magnesium, manganese, nickel, potassium, sodium and zinc.

**Note 2:** The relevant hazardous substances for monitoring in groundwater shall be identified by the licensee by undertaking a risk based assessment. The Licensee shall have regard to the 'Classification of Hazardous and Non-hazardous Substances in Groundwater' issued by the Agency. Monitoring for the identified hazardous substances shall be carried out at least annually, unless a case for less frequent monitoring is agreed by the Agency.

**Note 3:** Any parameters as may be required by the Agency.



**C.8 Waste Testing**

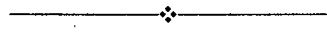
Parameter	Monitoring Frequency	Parameter
<b>Digester contents:</b> <ul style="list-style-type: none"> <li>• Volatile fatty acids</li> <li>• Alkalinity</li> </ul>	Daily	Standard method
<b>Digestate</b>	Per conditions of this licence	Standard method
<b>Other</b> <sup>Note 1</sup>		

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



***SCHEDULE D: Specified Engineering Works***

<b>Specified Engineering Works</b>
Construction of the facility.
Installation of waste-handling, processing, recycling/recovery and digestion infrastructure and any abatement systems.
Installation of drainage network including silt traps and oil interceptors.
Any other works notified in writing by the Agency.



**SCHEDULE E: Standards for Digestate Quality.****Digestate Quality**

The following criteria are deemed a quality standard for the use of digestate as a soil improver if applied to land in accordance with statutory obligations and requirements under any other enactments or regulations. The following criteria should not be deemed as criteria for fertiliser. Digestate for other end uses may require stricter and/or additional criteria to be achieved.

N, P, K, NH<sub>4</sub>-N, NO<sub>3</sub>-N, pH and dry matter content shall be measured and reported upon in digestate quality reports in order to facilitate the end use of the digestate.

The criteria apply to the digestate just after the final phase/treatment and prior to mixing with any other materials.

**1. Stability****Table E.1- Maximum Respiration Activity**

Parameter	Quality Limit
Stability	Oxygen Uptake Rate (OUR), ≤ 13 mmol O <sub>2</sub> /kg organic solids/hour

**2. Metals** <sup>Note 1, 2 & 3</sup>**Table E.2 – Maximum Metal Concentration Limits**

Parameter (mg/kg, dry mass)	Digestate Limit (mg/kg dry matter)
Cadmium (Cd)	1.5
Chromium (Cr)	150
Copper (Cu)	150
Mercury (Hg)	1
Nickel (Ni)	75
Lead (Pb)	150
Zinc (Zn)	400

**Note 1:** These limits should not be taken as an indication of suitability for addition to soil as the cumulative metal additions to soil should be first calculated.

**Note 2:** Incoming sludges (other than sewage sludges) shall be monitored quarterly (on a client by client basis) for the parameters outlined in this table and also for Selenium (Se) and Molybdenum (Mo).

**Note 3:** Monitoring of Arsenic (As) is required if waste timber is used in the anaerobic digestion process.

**3. Pathogens**

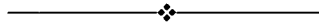
If this facility is regulated by the Department of Agriculture, Food and the Marine under the Animal By-products Regulation and the digestate has been sanitised in accordance with that Department's requirements, there is no requirement for further testing, provided that records of the testing form part of the digestate quality records maintained in accordance with this licence.

If the above does not apply, the pathogenic organism content shall not exceed the limits for the following indicator species:

**Table E.3 – Pathogenic Organism Content Limits**

Species	Limit	Sample Number (n)
Salmonella spp.	Absent in 25g	n=5
Escherichia coli	≤ 1000 CFU per gram of fresh mass	n=5

Where n = Number of samples to be tested.



#### 4. Impurities

**Table E.4 – Impurity Content Limits**

Parameter	Digestate Limit
Impurities <sup>Note 1</sup> > 2 mm	< 0.5%
Gravel and Stones > 5 mm	< 5%
Sharp objects	Digestate shall not contain any sharp impurity measuring over a 2 mm dimension that could cause damage or injury to humans, animals or plant during, or resulting from, its intended use.

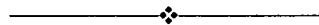
Note 1: Impurities generally refer to macroscopic fragments of glass, metals, plastics or similar non-biodegradable materials.



#### 5. Organic Matter

**Table E.5 – Organic Matter Content Limit**

Parameter	Digestate Limit
Organic Matter	≥ 20%



#### 6. Miscellaneous

**Table E.6 – Maturity Test**

Parameter	Digestate Limit
Viable Weed Seeds	< 3 viable weed seed per litre
Other	As may be agreed by the Agency

**SCHEDULE F: Annual Environmental Report**

<b>Annual Environmental Report Content</b> <small>Note 1</small>
Reporting Period.
Waste activities carried out at the facility.
Summary of rejected waste loads.
Quantity and Composition of waste recovered, received and disposed of during the reporting period and each previous year (relevant EWC codes to be used).
Emissions from the facility.
Waste management record.
Waste recovery report.
Full title and a written summary of any procedures developed by the licensee in the year which relates to the facility operation.
Amount of digestate produced per annum.
Review of Nuisance Controls.
Resource consumption summary.
Energy and heat generation summary.
Use of biogas flare and biogas venting summary.
Complaints summary.
Schedule of Environmental Objectives and Targets.
Environmental management programme – report for previous year.
Environmental management programme – proposal for current year.
Pollutant Release and Transfer Register – report for previous year.
Pollutant Release and transfer Register – proposal for current year.
Noise monitoring report summary.
Ambient monitoring summary.
Tank and pipeline testing and inspection report.
Reported incidents summary.
Energy efficiency audit report summary.
Report on the assessment of the efficiency of use of raw materials in processes and the reduction in waste generated.
Report on progress made and proposals being developed to minimise water demand and the volume of trade effluent discharges.
Volume of trade effluent/leachate and/or contaminated storm water produced and volume transported off-site.
Development/Infrastructural works summary (completed in previous year or prepared for current year).
Reports on financial provision made under this licence, management and staffing structure of the facility, and a programme for public information.
Review of decommissioning management plan.
Statement of measures in relation to prevention of environmental damage and remedial actions (Environmental Liabilities).
Environmental Liabilities Risk Assessment Review (every three years or more frequently as dictated by relevant on-site change including financial provisions).
Destination and uses of digestate produced.
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 28<sup>th</sup> day of September, 2015

  
Mary Turner, Authorised Person