

**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:** W0275-01  
**Applicant:** Bord na Móna Public Limited Company, Main Street, Newbridge, County Kildare  
**CRO Number:** 297717  
**Facility:** Drumman Materials Recycling and Waste Transfer Facility, Drumman, In the Townland of Derrygreenagh, County Offaly.

The application was submitted by the applicant on 9 March 2010.

**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 to twelve conditions:

**Licensed Waste Disposal Activities, in accordance with the Third Schedule of the  
Waste Management Act 1996 as amended**

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

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

<b>Class R 3.</b>	<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>
<b>Class R 4.</b>	<b>Recycling/reclamation of metals and metal compounds.</b>
<b>Class R 5.</b>	<b>Recycling/reclamation of other inorganic materials, which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials.</b>



<b>Class R 12.</b>	<b>Exchange of waste for submission to any of the operations numbered R 1 to R 11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as, amongst others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging, separating, blending or mixing prior to submission to any of the operations numbered R1 to R11).</b>
<b>Class R 13.</b>	<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).</b>

**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 16 December 2013. 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.

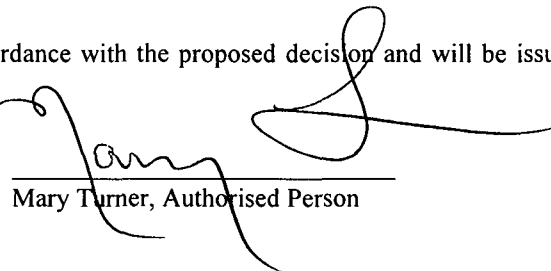
An objection against the proposed decision must state in full the grounds of the objection. An objection and a request for an oral hearing of an objection must each be accompanied by the appropriate fee and also comply with the other statutory requirements set out in the Waste Management Act, 1996 as amended and the Waste Management (Licensing) Regulations 1996 to 2013. 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 19<sup>th</sup> day of November, 2013



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>W0275-01</b>
<b>Company Register Number:</b>	<b>297717</b>
<b>Applicant/Licensee:</b>	<b>Bord na Móna Public Limited Company</b>
<b>Location of Facility:</b>	<b>Drumman Materials Recycling and Waste Transfer Facility, Drumman, In the Townland of Derrygreenagh, County Offaly.</b>



## ***INTRODUCTION***

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

Bord na Móna Public Limited Company will operate a waste materials recycling and transfer facility. The proposed infrastructure will include a waste reception and processing building, baled waste storage building, administration building, weighbridge, wastewater treatment plant for foul water and domestic effluent, ESB substation, surface water management system incorporating surface water attenuation pond and underground rainwater harvesting tank, bio-filtration unit and ancillary infrastructure.

The facility will accept 99,000 tonnes of waste per annum which will be comprised of municipal solid waste, commercial & industrial waste, construction & demolition waste and a small amount of hazardous waste. Accepted waste will be temporarily stored, processed as might be required and transported off-site for further recovery or disposal.

The licence sets out in detail the conditions under which Bord na Móna Public Liability Company 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>Agreement</b>	Agreement in writing.
<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>BAT</b>	Best Available Techniques.
<b>Biannually</b>	At approximately six – monthly intervals.
<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.
<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>Biowaste</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>Commercial Waste</b>	As defined in Section 5(1) of the Waste Management Act 1996 as amended.
<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>DO</b>	Dissolved oxygen.
<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>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 and any subsequent amendment published in the Official Journal of the European Community.
<b>Evening Time</b>	1900 hrs to 2300 hrs.
<b>Facility</b>	Any site or premises used for the purpose of the recovery or disposal of waste.
<b>GC/MS</b>	Gas chromatography/mass spectroscopy.
<b>ha</b>	Hectare.
<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>IPPC</b>	Integrated Pollution Prevention & Control.
<b>K</b>	Kelvin.
<b>kPa</b>	Kilopascals.
<b>L<sub>AeqT</sub></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>Landfill Directive</b>	Council Directive 1999/31/EC.
<b>L<sub>A,r,T</sub></b>	The Rated Noise Level, equal to the L <sub>Aeq</sub> 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 Waste Management Act 1996 as amended.
<b>Licensee</b>	Bord na Móna Public Limited Company, Main Street, Newbridge, County Kildare, CRO Number 297717.
<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>	Offaly 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>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 Waste Management Act 1996 as amended.
<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>Recyclable materials</b>	Waste types, such as cardboard, batteries, gas cylinders etc, may be recycled.
<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>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>Specified Engineering Works</b>	Engineering works listed in <i>Schedule D: Specified Engineering Works</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>Storm water</b>	Rain water run-off from roof and non-process areas.
<b>Temporary storage</b>	In relation to waste is a period of less than six months as defined in the Waste Management Act 1996 as amended.

<b>The Agency</b>	Environmental Protection Agency.
<b>TOC</b>	Total organic carbon.
<b>Trade effluent</b>	Trade effluent has the meaning given in the Water Services Act, 2007.
<b>Trigger level</b>	A parameter value, the achievement or exceedance of which requires certain actions to be taken by the licensee.
<b>Water Services Authority</b>	Offaly County Council.
<b>WEEE</b>	As defined in the European Communities (WEEE) Regulations, 2011 (S.I. No. 355 of 2011).
<b>Weekly</b>	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.
<b>WWTP</b>	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 related to the licence application, Register Number W0275-01. This includes supporting documentation received from the applicant, 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 Inspector's Report dated 8 October 2013) contains a fair and reasonable assessment of the likely significant effects of the licensed activity on the environment. The assessment as reported is adopted as the assessment of the Agency. Having regard to this assessment, it is considered that the 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 Lough Ennell SAC (site code 685), Lough Ennell SPA (site code: 4044), Raheenmore Bog SAC (site code: 582), River Boyne and River Blackwater SAC (site code: 2299) and River Boyne and River Blackwater SPA (site code: 4232) and 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 is not required.

It has been determined that this facility does not have the potential for significant effects on any European site due to the absence of significant environmental emissions from the facility and its distance to European Sites.

## ***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 Bord na Móna Public Limited Company, Main Street, Newbridge, County Kildare to carry on the waste activities listed below at Drumman Materials Recycling and Waste Transfer Facility, Drumman, in the Townland of Derrygreenagh, County Offaly subject to conditions, with the reasons therefor and the associated schedules attached thereto set out in the licence.

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

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

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

<b>Class R 3.</b>	<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>
<b>Class R 4.</b>	<b>Recycling/reclamation of metals and metal compounds.</b>
<b>Class R 5.</b>	<b>Recycling/reclamation of other inorganic materials, which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials.</b>
<b>Class R 12.</b>	<b>Exchange of waste for submission to any of the operations numbered R 1 to R 11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as, amongst others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging, separating, blending or mixing prior to submission to any of the operations numbered R1 to R11).</b>
<b>Class R 13.</b>	<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).</b>

## ***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. LW09-660-04-300-003 Rev. A 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 and Hours of Operation
- 1.5.1 Unless otherwise agreed by the Agency, waste may enter and depart the facility only between the hours of 0700 and 2300 Monday to Saturday inclusive.
- 1.5.2 Unless otherwise agreed by the Agency, the facility shall be operated only between the hours of 0600 and 2400 Monday to Saturday inclusive.
- 1.5.3 No waste shall be accepted nor site operations carried out on Sundays and public holidays unless otherwise agreed by the Agency.
- 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 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.

**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 and maintain an Environmental Management System (EMS) in advance of the commencement of the activity. The EMS shall be updated on an annual basis.
- 2.2.2 The EMS shall include, as a minimum, the following elements:
  - 2.2.2.1 Management and Reporting Structure.
  - 2.2.2.2 Schedule of Environmental Objectives and Targets.

The licensee shall prepare and maintain a Schedule of Environmental Objectives and Targets. The schedule shall as a minimum provide for a review of all operations and processes, including an evaluation of practicable options for energy and resource efficiency, the use of cleaner technology, and the prevention, reduction and minimisation of waste for disposal. The schedule shall include time frames for the achievement of set targets and shall address a five year period as a minimum. In relation to waste recovery the schedule shall include an initial waste recovery target of waste throughput, as well as time frames for achieving higher recovery targets. As a minimum this shall include specific objectives for the control and minimisation as well as an annual review of the dust and noise nuisance potential of the site activities. The schedule shall be reviewed annually and amendments thereto notified to the Agency for agreement as part of the Annual Environmental Report (AER).

#### 2.2.2.3 Environmental Management Programme (EMP)

The licensee shall, prior to the commencement of waste activities, submit to the Agency for agreement an EMP, including a time schedule, for achieving the Environmental Objectives and Targets prepared under Condition 2.2.2.2. Once agreed the EMP shall be established and maintained by the licensee. It shall include:

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

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

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

2.2.2.4 Documentation

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

2.2.2.5 Corrective Action

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

2.2.2.6 Awareness and Training

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

2.2.2.7 Communications Programme

The licensee shall establish and maintain a Public Awareness and Communications Programme to ensure that members of the public can obtain information at the facility, at all reasonable times, concerning the environmental performance of the facility.

2.2.2.8 Maintenance Programme

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

2.2.2.9 Efficient Process Control

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

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

### Condition 3. Infrastructure and Operation

- 3.1 The licensee shall establish and maintain, for each component of the facility, all infrastructure referred to in this licence in advance of the commencement of the licensed activities in that component, or as required by the conditions of this licence. Infrastructure specified in the application that relates to the environmental performance of the installation and is not specified in the licence, shall be installed in accordance with the schedule submitted in the application.
- 3.2 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 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.
- 3.4 In the case of composite sampling of aqueous emissions from the operation of the facility, a separate composite sample or homogeneous sub-sample (of sufficient volume as advised) shall be refrigerated immediately after collection and retained as required for EPA use.
- 3.5 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.
- 3.6 Specified Engineering Works
- 3.6.1 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.
- 3.6.2 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.
- 3.6.3 Following the completion of all specified engineering works, the licensee shall complete a construction quality assurance validation. The validation report shall be made available to the Agency on request. The report shall, as appropriate, include the following information:
- (i) A description of the works;
  - (ii) As-built drawings of the works;
  - (iii) Any other information requested in writing by the Agency.

- 3.7 Facility Security
- 3.7.1 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 restoration and aftercare plan and to the agreement of the Agency, the requirement for such site security may be removed.
- 3.7.2 The licensee shall install a CCTV system which records all truck movement into and out of the facility. The CCTV system shall be operated at all times and copies of recording kept on site and made available to the Agency on request.
- 3.7.3 Gates shall be locked shut when the facility is unsupervised.
- 3.7.4 The licensee shall remedy any defect in the gates and/or fencing as follows:
- A temporary repair shall be made by the end of the working day; and
  - A repair to the standard of the original gates and/or fencing shall be undertaken within three working days.
- 3.7.5 There shall be no unauthorised public access to the facility.
- 3.8 Facility Roads and Site Surfaces
- 3.8.1 Effective site roads shall be provided and maintained to ensure the safe and nuisance-free movement of vehicles within the facility.
- 3.8.2 The licensee shall provide and maintain an impermeable concrete surface in all areas of the facility. The surfaces shall be concreted and constructed to British Standard 8110 or an alternative as agreed by the Agency. The licensee shall remedy any defect in concrete surfaces within five working days.
- 3.9 Facility Office
- 3.9.1 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.
- 3.9.2 The licensee shall provide and maintain a working telephone and a method for electronic transfer of information at the facility.
- 3.10 Construction and Demolition Waste Recovery Area
- 3.10.1 The licensee shall provide and maintain a construction and demolition waste recovery area. This infrastructure shall at a minimum comprise the following:
- (i) an impermeable concrete slab;
  - (ii) collection and disposal infrastructure for all run-off;
  - (iii) appropriate bunding to provide visual and noise screening;
- 3.10.2 All stockpiles shall be adequately contained to minimise dust generation.
- 3.10.3 The licensee shall implement measures to minimise dust generation at this facility and shall as instructed by the Agency install a sprinkling irrigation system for the control of dust nuisance from the facility. Any remedial works necessary to control dust must be implemented within a time-scale to be agreed by the Agency.
- 3.10.4 Only construction and demolition waste shall be accepted at this area. Wastes that are capable of being recovered shall be separated and shall be stored temporarily in this area in advance of being subjected to other recovery activities at the facility or transport off the facility.
- 3.11 Waste handling, ventilation and processing plant
- 3.11.1 Items of plant deemed critical to the efficient and adequate processing of waste at the facility (including *inter alia* waste-loading vehicles and ejector trailers) shall be provided on the following basis:
- (i) 100% duty capacity;

- (ii) 20% standby capacity available on a routine basis; and
  - (iii) Provision of contingency arrangements and/or backup and spares in the case of breakdown of critical equipment.
- 3.11.2 In advance of the commencement of waste activities, the licensee shall provide a report for the agreement of the Agency detailing the duty and standby capacity in tonnes per day, of all waste handling and processing equipment to be used at the facility. These capacities shall be based on the licensed waste intake, as per *Schedule A: Limitations*, of this licence.
- 3.11.3 The quantity of waste to be accepted at the facility on a daily basis shall not exceed the duty capacity of the equipment at the facility. Any exceedance of this intake shall be treated as an incident.
- 3.12 **Biowaste Storage Area**

The biowaste storage area shall at a minimum comprise the following:

  - (i) Indoor waste acceptance, inspection and storage areas;
  - (ii) An indoor waste quarantine area;
  - (iii) Air handling and odour abatement equipment including bio-filter volume/capacity and odour abatement equipment provided on the basis of 100% standby capacity; and
  - (iv) Leachate management infrastructure.
- 3.13 **Waste Inspection and Quarantine Areas**
  - 3.13.1 A Waste Inspection Area and a Waste Quarantine Area shall be provided and maintained at the facility.
  - 3.13.2 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.
  - 3.13.3 Drainage from these areas shall be directed for collection and safe disposal.
  - 3.13.4 The waste inspection and quarantine area shall be secured and rendered impervious to the material inspected and stored therein.
- 3.14 **Tank, Container and Drum Storage Areas**
  - 3.14.1 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).
  - 3.14.2 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.
  - 3.14.3 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 this licence.
  - 3.14.4 All inlets, outlets, vent pipes, valves and gauges must be within the bunded area.
  - 3.14.5 All tanks, containers and drums shall be labelled to clearly indicate their contents.
  - 3.14.6 Hazardous waste shall be stored in bunded areas.
- 3.15 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.

## 3.16 Silt Traps and Oil Separators

The licensee shall, within six months of date of grant of this licence, 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.

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

## 3.17 Surface Water Management

Surface water management infrastructure shall be provided and maintained at the facility. As a minimum, the infrastructure shall be capable of the following:

- (i) the prevention of discharge of contaminated water, process effluent and/or leachate into surface water drains and courses; and
- (ii) the collection/diversion of run-off arising from paved areas.

3.18 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) within six months from the date of grant of this licence.

3.19 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.

3.20 All wellheads shall be adequately protected to prevent contamination or physical damage.

3.21 The licensee shall, within three months of the date of grant of this licence, install in a prominent location on the site a wind sock, or other wind direction indicator, which shall be visible from the public roadway outside the site.

3.22 The licensee shall operate a weather monitoring station on the site at a location agreed by the Agency, which records conditions of wind speed, wind direction, temperature and rainfall.

## 3.23 Weighbridge and Wheel Cleaners

3.23.1 The licensee shall provide and maintain a weighbridge and wheel cleaners at the facility.

3.23.2 The wheel cleaners shall be used by all vehicles leaving the facility as required to ensure that no trade effluent/storm water or waste is carried off-site. All water from the wheel cleaning area shall be directed to the trade effluent drainage network.

3.23.3 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.

3.24 The licensee shall maintain a wastewater treatment plant at the facility for the treatment of sanitary effluent arising on-site. Any waste water treatment system shall satisfy the criteria, as may be relevant, set out in:

- Code of Practice Wastewater Treatment and Disposal Systems Serving Single Houses (p.e. < 10), and
- Wastewater Treatment Manuals: Treatment Systems for Small Communities, Business, Leisure Centres and Hotels,

published by the Environmental Protection Agency.

## 3.25 Dust/Odour

The licensee shall install and maintain adequate measures for the control of odours and dust emissions, including fugitive dust emissions, from the facility. Installation of an odour and dust 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 transfer building; all other doors in this building shall be kept closed where possible.
- (ii) Unless otherwise agreed by the Agency, all buildings or areas processing or storing putrescible waste shall be maintained at negative air pressure with ventilated gases being subject to treatment using biofilters or alternative treatment facilities as may be agreed by the Agency.

## 3.26 Fire-water Retention

- 3.26.1 The licensee shall carry out a risk assessment to determine if the activity should have a fire-water retention facility. The licensee shall submit the assessment and a report to the Agency on the findings and recommendations of the assessment within six months of the date of grant of this licence.
- 3.26.2 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.
- 3.26.3 In the event of a fire or a spillage to storm water, the site storm water shall be diverted to the containment pond. The licensee shall examine, as part of the response programme in Condition 3.26.2 above, the provision of automatic diversion of storm water to the containment pond. The licensee shall have regard to any guidelines issued by the Agency with regard to firewater retention.
- 3.26.4 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 3.26.1 and 3.26.2 above.

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

## Condition 4. Interpretation

- 4.1 Emission limit values for emissions to atmosphere in this licence shall be interpreted in the following way:
  - 4.1.1 Non-Continuous Monitoring
    - (i) For any parameter where, due to sampling/analytical limitations, a 30 minute sample is inappropriate, a suitable sampling period should be employed and the value obtained therein shall not exceed the emission limit value.
    - (ii) For flow, no hourly or daily mean value, calculated on the basis of appropriate spot readings, shall exceed the relevant limit value.
    - (iii) For all other parameters, no 30 minute mean value shall exceed the emission limit value.
- 4.2 The concentration and volume flow limits for emissions to atmosphere specified in this licence shall be achieved without the introduction of dilution air and shall be based on gas volumes under standard conditions of:
  - 4.2.1 From non-combustion sources:

Temperature 273K, Pressure 101.3 kPa (no correction for oxygen or water content).

- 4.3 Emission limit values for emissions to waters in this licence shall be interpreted in the following way:
- 4.3.1 Continuous Monitoring
- (i) No flow value shall exceed the specific limit.
  - (ii) No pH value shall deviate from the specified range.
  - (iii) No temperature value shall exceed the limit value.
- 4.3.2 Composite Sampling
- (i) No pH value shall deviate from the specified range.
  - (ii) For parameters other than pH and flow, eight out of ten consecutive composite results, based on flow proportional composite sampling, shall not exceed the emission limit value. No individual results similarly calculated shall exceed 1.2 times the emission limit value.
- 4.3.3 Discrete Sampling
- For parameters other than pH and temperature, no grab sample value shall exceed 1.2 times the emission limit value.
- 4.4 Where the ability to measure a parameter is affected by mixing before emission, then, with agreement from the Agency, the parameter may be assessed before mixing takes place.
- 4.5 Noise
- 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 value(s).
- 4.6 Dust and Particulate Matter
- Dust and particulate matters from the activity shall not give rise to deposition levels which exceed the limit value(s).

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

## Condition 5. Emissions

- 5.1 No specified emission from the facility shall exceed the emission limit values set out in *Schedule B: Emission Limits* of this licence. There shall be no other emissions of environmental significance.
- 5.2 No emissions, including odours, from the activities carried on at the site shall result in an impairment of, or an interference with amenities or the environment beyond the facility boundary or any other legitimate uses of the environment beyond the facility boundary.
- 5.3 No substance shall be discharged in a manner, or at a concentration, that, following initial dilution, causes tainting of fish or shellfish.
- 5.4 No trade effluent, leachate or contaminated storm water shall be discharged to surface water drains and surface water courses.
- 5.5 There shall be no direct emissions to groundwater.
- 5.6 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.

**Reason:** *To provide for the protection of the environment by way of control and limitation of emissions.*

## 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 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 upon commissioning. 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) and bunds, silt traps and oil separators shall be inspected weekly and desludged as necessary. All sludge and drainage from these operations shall be collected for safe disposal. The drainage system, bunds, silt traps and oil interceptors shall be properly maintained at all times.
- 6.12 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 Noise
- The licensee shall carry out a noise survey of the site operations annually. The survey programme shall be undertaken in accordance with the methodology specified in the 'Guidance Note for Noise: Licence Applications, Surveys and Assessments in Relation to Scheduled Activities (NG4)' as published by the Agency.
- 6.14 Storm Water
- 6.14.1 A visual examination of storm water discharges shall be carried out daily. A log of such inspections shall be maintained.
- 6.14.2 Unless otherwise agreed by the Agency, the trigger levels for storm water discharge to surface water at SW2 are:
- (i) Suspended Solids 25 mg/l
  - (ii) BOD 2.6 mg/l
  - (iii) Total Ammonia (as N) 0.14 mg/l

6.15 Pollutant Release and Transfer Register (PRTR)

The licensee shall prepare and report a PRTR for the site. The substance and/or wastes to be included in the PRTR shall be as agreed by the Agency each year by reference to EC Regulations No. 166/2006 concerning the establishment of the European Pollutant Release and Transfer Register. The PRTR shall be prepared in accordance with any relevant guidelines issued by the Agency and shall be submitted electronically in specified format and as part of the AER.

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

6.17 Litter Control

6.17.1 All loose litter or other waste, placed on or in the vicinity of the facility, other than in accordance with the requirements of this licence, shall be removed, subject to the agreement of the landowners, immediately and in any event by 10.00 am of the next working day after such waste is discovered.

6.17.2 The licensee shall ensure that all vehicles delivering waste to and removing waste and materials from the facility are appropriately covered.

6.18 Dust/Odour Control

6.18.1 All putrescible and other odour-forming waste stored overnight at the facility shall be stored in suitably covered and enclosed containers, and shall be removed from the facility within 48 hours of its arrival or generation on site, except, in the case of waste to be removed from the facility, at Public Holiday weekends. At Public Holiday weekends, such waste shall be removed within 72 hours of its arrival or generation on site.

6.18.2 The licensee shall undertake, at a frequency to be agreed or directed by the Agency, in any case to be 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 abatement system. Any recommendations arising from the odour impact assessment shall be implemented following agreement by the Agency.

6.18.3 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.

6.18.4 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.

6.19 Operational Controls

6.19.1 All waste storage and processing shall be carried out inside a building or in an appropriately enclosed or covered area.

6.19.2 The floor of the waste reception and processing building shall be cleaned on a weekly basis and on a daily basis where putrescible waste is handled. The floor of the storage bays for recovered wastes shall be washed down and cleaned on each occasion such bays are emptied, or as a minimum on a weekly basis.

6.19.3 All waste handling/processing plant shall be cleared of all waste and washed down on a weekly basis.

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

6.19.5 Scavenging shall not be permitted at the facility.

**6.20 Nuisance Monitoring**

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

**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 the date of grant of this licence. The audit shall be carried out in accordance with the guidance published by the Agency, "Guidance Note on Energy Efficiency Auditing". The energy efficiency audit shall be repeated at intervals as required by the Agency.
- 7.2 The audit shall identify all practicable opportunities for energy use reduction and efficiency and the recommendations of the audit will be incorporated into the Schedule of Environmental Objectives and Targets under Condition 2 above.
- 7.3 The licensee shall identify opportunities for reduction in the quantity of water used on site including recycling and reuse initiatives, wherever possible. Reductions in water usage shall be incorporated into Schedule of Environmental Objectives and Targets.
- 7.4 The licensee shall undertake an assessment of the efficiency of use of raw materials in all processes, having particular regard to the reduction in waste generated. The assessment should take account of best international practice for this type of activity. Where improvements are identified, these shall be incorporated into the Schedule of Environmental Objectives and Targets.

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

**Condition 8. Materials Handling**

- 8.1 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 Waste shall be stored in designated areas, protected as may be appropriate against spillage and leachate run-off. The waste shall be clearly labelled and appropriately segregated.
- 8.6 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.
- 8.7 Waste for disposal/recovery off-site shall be analysed in accordance with *Schedule C: Control & Monitoring*, of this licence.

- 8.8 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.
- 8.9 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 14 June 2006 on shipments of waste and associated national regulations.
- 8.10 Waste Acceptance and Characterisation Procedures
- 8.10.1 In advance of commencement of waste acceptance at the facility, the licensee shall establish and maintain detailed written procedures for the acceptance, characterisation and treatment of all waste arriving at the site.
- 8.10.2 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.
- 8.10.3 Waste shall be accepted at the facility only from known customers or new customers subject to initial waste profiling and waste characterisation off-site. The written records of this off-site waste profiling and characterisation shall be retained by the licensee for all active customers and for a two year period following termination of licensee/customer agreements.
- 8.10.4 Waste arriving at the facility shall have its documentation checked at the point of entry to the facility and subject to this verification, weighed, documented and directed to the waste reception and processing building. Each load of waste arriving at the waste reception and processing building shall be inspected upon tipping within this building. Only after such inspections shall the waste be processed for disposal or recovery.
- 8.10.5 Any waste deemed unsuitable for processing at the facility and/or in contravention of this licence shall be immediately separated and removed from the facility at the earliest possible time. Temporary storage of such wastes shall be in a designated Waste Quarantine Area under appropriate conditions to avoid putrefaction, odour generation, the attraction of vermin and any other nuisance or objectionable condition.
- 8.11 Only waste that has been subject to treatment may be dispatched for disposal at a landfill facility. Treatment shall reflect published EPA guidance as set out in *Municipal Solid Waste – Pre-treatment and Residuals Management*, EPA, 2009. With the agreement of the Agency, this condition shall not apply to:
- (i) Inert waste for which treatment is not technically feasible; and
  - (ii) Other waste for which such treatment does not contribute to the objectives of the Landfill Directive as set out in Article 1 of the Directive by reducing the quality of the waste or the hazards to human health or the environment.
- 8.12 Each load of waste dispatched to landfill shall be accompanied by documentation verifying the type of treatment carried out on the waste and, in the case of municipal waste or treated municipal waste, its biodegradable content.

**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. This procedure shall include provision for minimising the effects of any emergency on the environment. This procedure shall be reviewed annually and updated as necessary.
- 9.3 Incidents
- 9.3.1 In the event of an incident the licensee shall immediately:
- (i) carry out an investigation to identify the nature, source and cause of the incident and any emission arising therefrom;
  - (ii) isolate the source of any such emission;
  - (iii) evaluate the environmental pollution, if any, caused by the incident;
  - (iv) identify and execute measures to minimise the emissions/malfunction and the effects thereof;
  - (v) identify the date, time and place of the incident;
  - (vi) notify the Agency and other relevant authorities.
- 9.3.2 The licensee shall provide a proposal to the Agency for its agreement within one month of the incident occurring or as otherwise agreed by the Agency, to:
- (i) identify and put in place measures to avoid recurrence of the incident; and
  - (ii) identify and put in place any other appropriate remedial actions.
- 9.4 Emergencies
- 9.4.1 In the event of a breakdown of equipment or any other occurrence which results in the closure of the transfer station building, any waste arriving at or already collected at the facility shall be transferred directly to appropriate landfill sites or any other appropriate facility until such time as the transfer station building is returned to a fully operational status. Such a breakdown event will be treated as an emergency and rectified as soon as possible.
- 9.4.2 All significant spillages occurring at the facility shall be treated as an emergency and immediately cleaned up and dealt with so as to alleviate their effects.
- 9.4.3 No waste shall be burnt within the boundaries of the facility. A fire at the facility shall be treated as an emergency and immediate action shall be taken to extinguish it and notify the appropriate authorities.
- 9.4.4 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.

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

## Condition 10. Closure, Restoration and Aftercare 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 Guidance on Environmental Liability Risk Assessment, Residuals Management Plans and Financial Provision when implementing Condition 10.2.1 above.
- 10.3 The Decommissioning Management Plan shall include, as a minimum, the following:
- (i) a scope statement for the plan;
  - (ii) the criteria that define the successful decommissioning of the activity or part thereof, which ensures minimum impact on the environment;
  - (iii) a programme to achieve the stated criteria;
  - (iv) where relevant, a test programme to demonstrate the successful implementation of the decommissioning plan; and
  - (v) details of the costings for the plan and the financial provisions to underwrite those costs.
- 10.4 A final validation report to include a certificate of completion for the Decommissioning Management Plan, for all or part of the site as necessary, shall be submitted to the Agency within three months of execution of the plan. The licensee shall carry out such tests, investigations or submit certification, as requested by the Agency, to confirm that there is no continuing risk to the environment.

**Reason:** *To make provision for the proper closure of the activity ensuring protection of the environment.*

## Condition 11. Notification, Records and Reports

- 11.1 The 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.

- 11.2 In the case of any incident relating to discharges to water, the licensee shall notify the Local and Water Services Authority and Inland Fisheries Ireland as soon as practicable after such an incident.
- 11.3 The licensee shall make a record of any incident. This record shall include details of the nature, extent, and impact of, and circumstances giving rise to, the incident. The record shall include all corrective actions taken to manage the incident, minimise wastes generated and the effect on the environment, and avoid recurrence. The licensee shall, as soon as practicable following incident notification, submit to the Agency the incident record.
- 11.4 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.
- 11.5 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.
- 11.6 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;
  - (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) digital records of waste movements for a period of three months or as agreed by the Agency;
  - (vi) relevant correspondence with the Agency;
  - (vii) up-to-date site drawings/plans showing the location of key process and environmental infrastructure, including the bio-filtration unit, monitoring locations and emission points;
  - (viii) up-to-date Standard Operational Procedures for all processes, plant and equipment necessary to give effect to this licence or otherwise to ensure that standard operation of such processes, plant or equipment does not result in unauthorised emissions to the environment;
  - (ix) any elements of the licence application or EIS documentation referenced in this licence.
  - (x) all training undertaken by facility staff;
  - (xi) results from all integrity tests of bunds and other structures and any maintenance or remedial work arising from them;
  - (xii) details of all nuisance inspections;
  - (xiii) the name and qualifications of all persons who carry out all sampling and monitoring as required by this licence and who carry out the interpretation of the results of such sampling and monitoring; and
  - (xiv) a detailed drawing showing hazardous waste storage locations.

This documentation shall be available to the Agency for inspection at all reasonable times.

- 11.7 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 D: Annual Environmental Report*, of this licence and shall be prepared in accordance with any relevant guidelines issued by the Agency.



- 11.8 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 and EWC Code for the waste materials imported and/or sent off-site for disposal/recovery;
  - (ii) the names of the agent and carrier of the waste, and their waste collection permit details, if required (to include issuing authority and vehicle registration number);
  - (iii) details of the ultimate disposal/recovery destination facility for the waste and its appropriateness to accept the consigned waste stream, to include its permit/licence details and issuing authority, if required;
  - (iv) written confirmation of the acceptance and disposal/recovery of any hazardous waste consignments sent off-site;
  - (v) details of all 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;
  - (vi) details of any rejected consignments;
  - (vii) details of any approved waste mixing;
  - (viii) the results of any waste analyses required under *Schedule C: Control & Monitoring*, of this licence; and
  - (ix) the tonnage and EWC Code for the waste materials recovered/disposed on-site.
- 11.9 The licensee shall maintain a written record for each load of waste arriving at and departing from the facility. The licensee shall record the following:
- (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 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.
- 11.10 A record shall be kept of each consignment of trade effluent, leachate and/or contaminated storm water removed from the facility. The record shall include the following:
- (i) the name of the carrier;
  - (ii) the date and time of removal of trade effluent, leachate and/or contaminated storm water from the facility;
  - (iii) the volume of trade effluent, leachate and/or contaminated storm water, in cubic metres, removed from the facility on each occasion;
  - (iv) the name and address of the Wastewater Treatment Plant to which the trade effluent, leachate and/or contaminated storm water was transported; and
  - (v) any incidents or spillages of trade effluent, leachate and/or contaminated storm water during its removal or transportation.

### 11.11 Waste Recovery Reports

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

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

11.12 The licensee shall submit report(s) as required by the conditions of this licence to the Agency's Headquarters in Wexford, or to such other Agency office as may be specified by the Agency.

11.13 All reports shall be certified accurate and representative by the facility manager or a nominated, suitably qualified and experienced deputy.

**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 €9,750, 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 commencement of enforcement 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 the

activity. The ELRA shall be reviewed as necessary to reflect any significant change on site, and in any case every three years following initial agreement. Review results are to be notified as part of the AER.

- 12.2.3 The licensee shall, prior to commencement of waste acceptance at the facility and to the satisfaction of the Agency, make financial provision to cover any liabilities associated with the operation (including closure, restoration and aftercare).
- 12.2.4 As part of the measures identified in Condition 12.2.1, the licensee shall, to the satisfaction of the Agency, make financial provision to cover any liabilities associated with the operation (including closure, restoration and aftercare). 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.
- 12.2.5 The licensee shall revise the cost of closure, restoration and aftercare annually and any adjustments shall be reflected in the financial provision made under Condition 12.2.4.
- 12.2.6 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, 12.2.3 and 12.2.4 above.

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

## **SCHEDULE A: Limitations**

### ***A.1 Waste Processes***

The following waste related processes are authorised:

- i. Reception, bulking, storage, sorting, repackaging and transfer of non-hazardous and hazardous waste.
- ii. Mechanical treatment of non-hazardous waste including sorting, separation, shredding, crushing, trommelling, screening and baling.
- iii. Recovery of dry recyclables.
- iv. Non-hazardous C&D waste recovery (incl. screening, sorting, blending).

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



**A.2 Waste Acceptance**

<b>Waste type</b> <sup>Note 1</sup>	<b>Maximum</b> <sup>Note 2, 3</sup> <b>(tonnes per annum)</b>	
<b>Non-hazardous waste</b>		
Municipal Solid Waste including mixed municipal waste, mixed recyclables, segregated recyclables, biowaste and street cleaning residues <sup>Note 4</sup>	80,000	
Commercial & Industrial Waste Packaging	10,000	
Construction & Demolition Waste	8,800	
<b>Total non-hazardous waste</b>	<b>98,800</b>	
<b>Hazardous waste</b>	<b>EWC codes to be accepted</b>	<b>Maximum</b> <sup>Note 1, 3</sup> <b>(tonnes per annum)</b>
Waste engine, gear and lubricating oils	13 02 04* 13 02 05* 13 02 06* 13 02 07* 13 02 08*	200
Waste oil filters	16 01 07*	
Waste electrical and electronic waste (WEEE)	16 02 11* 20 01 23*	
Paint, inks, adhesives and resins containing dangerous substances	20 01 27*	
Batteries and accumulators	20 01 33*	
<b>Total hazardous waste</b>		<b>200</b>

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

**Note 2:** The quantities of the individual non-hazardous waste types may be adjusted, only with the agreement of the Agency, subject to the total annual waste quantity remaining the same.

**Note 3:** The acceptance of waste to these limits is subject to capacity limitations established under Condition 3.11 of this licence.

**Note 4:** This waste stream includes waste with EWC codes 20 01 28 and 20 01 36.

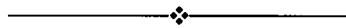
**SCHEDULE B: Emission Limits**

**B.1 Emissions to Air**

**B.1.1 Emissions from Bio-filtration unit**

Emission Point Reference No: A1  
 Location: To be agreed by the Agency

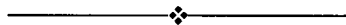
Parameter	Emission Limit Value
Ammonia	50 mg/m <sup>3</sup>
Hydrogen Sulphide	5 mg/m <sup>3</sup>
Mercaptans	5 mg/m <sup>3</sup>
Amines	5 mg/m <sup>3</sup>



**B.1.2 Emissions from Dust Extraction Unit**

Emission Point Reference No: A2  
 Location: To be agreed by the Agency

Parameter	Emission Limit Value
Dust	30 mg/m <sup>3</sup>

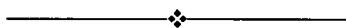


**B.1.3 Dust Deposition Limits**

Location of dust monitoring D1, D2 indicated on Drawing Number LW09-660-04-300-005 Rev B (or as might be amended under Condition 6.8)

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.



**B.2 Emissions to Water**

**Emission Point Reference No:** SW1 - outlet from waste water treatment plant (as per Drawing Number LW09-660-04-200-025 Rev A)

**Name of Receiving Waters:** Mongagh River (WFD Code: IE\_EA\_07\_1025)  
**Location:** 248934E 238848N

**Volume to be emitted:** Maximum in any one day: 9 m<sup>3</sup>  
 Maximum in any one hour: 0.5 m<sup>3</sup>

Parameter	Emission Limit Value
Temperature	25°C (max.)
pH	6 - 9
	mg/l
BOD	20
COD	125
Suspended Solids	25
Ammonia (as N)	2
Orthophosphate (as P)	2



**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 <sup>Note 1</sup>	50 <sup>Note 1</sup>	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.



## SCHEDULE C: Control & Monitoring

### C.1.1 Control of Emissions to Air

Emission Point Reference No:  
Description of Treatment:

Bio-filtration Unit: A1  
Bio-filtration

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>Bio-filters</b>		
Ammonia	Monthly (at inlet and outlet)	Colorimetric indicator tubes <sup>Note 2</sup>
Hydrogen sulphide	Monthly (at inlet and outlet)	Colorimetric indicator tubes <sup>Note 2</sup>
Mercaptans	Monthly (at inlet and outlet)	Colorimetric indicator tubes <sup>Note 2</sup>
Amines	Monthly (at inlet and outlet)	Colorimetric indicator tubes <sup>Note 2</sup>
<b>Bed Media</b> <sup>Note 3</sup>		
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 bio-filter	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:** Or an alternative method agreed by the Agency.

**Note 3:** The bio-filter 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:**

Bio-filtration Unit: A1

Parameter	Monitoring Frequency	Analysis Method/Technique
Odour	Quarterly	See <sup>Note 1</sup>
Ammonia	Monthly (at outlet of Biofilter)	Colorimetric indicator tubes <sup>Note 2</sup>
Hydrogen sulphide	Monthly (at outlet of Biofilter)	Colorimetric indicator tubes <sup>Note 2</sup>
Mercaptans	Monthly (at outlet of Biofilter)	Colorimetric indicator tubes <sup>Note 2</sup>
Amines	Monthly (at outlet of Biofilter)	Colorimetric indicator tubes <sup>Note 2</sup>

**Note 1:** Odour measurements shall be by olfactometric measurement and analysis shall be for mercaptans, hydrogen sulphide, ammonia, and amines.

**Note 2:** Or an alternative method agreed by the Agency.



**C.2.1 Monitoring of Emissions to Water****Emission Point Reference No:**

SW1

**Description of Treatment:**

Secondary treatment of sanitary effluent and foul water

Control Parameter	Monitoring Frequency <sup>Note 1</sup>	Key Equipment/Technique
Flow	Continuous Daily <sup>Note 2</sup>	On-line flow meter with recorder
Temperature	Continuous	On-line temperature probe with recorder
pH	Continuous	pH electrode/meter with recorder
Total Ammonia (as N)	Monthly	Standard Method
Chemical Oxygen Demand	Monthly	Standard Method
Suspended Solids	Monthly	Standard Method
Biochemical Oxygen Demand	Monthly	Standard Method
Orthophosphate (as P)	Monthly	Standard Method
Nitrate	Monthly	Standard Method
Phenols	Monthly	Standard Method
Oils, fats and greases	Monthly	Standard Method
Priority Substances <sup>Note 3</sup>	Annually	Standard Method
Toxicity <sup>Note 4</sup>	As may be required	To be agreed by the Agency

**Note 1:** The licensee shall install a composite sampler. All samples shall be collected on a 24 hour flow proportional composite sampling basis.

**Note 2:** Total effluent discharged over the 24 hour period in which the composite sample is collected shall be recorded.

**Note 3:** The relevant priority substances or pollutants for monitoring shall be identified by the licensee by undertaking a risk based assessment. The Licensee shall have regard to "Guidance on the Screening for Priority Substances for Waste Water Discharge Licences" issued by the Agency.

**Note 4:** The number of toxic units (Tu) = 100/x hour EC/LC<sub>50</sub> in percentage vol/vol so that higher Tu values reflect greater levels of toxicity. For test regimes where species death is not easily detected, immobilisation is considered equivalent to death.



**C.2.2 Monitoring of Storm Water discharge****Discharge Point Reference No:**

SW2 - outlet from a pipe from surface water attenuation pond (as per Drawing Number LW09-660-04-200-025 Rev.A)

<b>Parameter</b> <sup>Note 1</sup>	<b>Monitoring Frequency</b> <sup>Note 2</sup>	<b>Analysis Method/Technique</b>
<b>Visual Inspection</b>	Daily	Sample and examine for colour and odour.
<b>pH</b>	Continuous	Standard method
<b>COD</b>	Quarterly	Standard method
<b>BOD</b>	Quarterly	Standard method
<b>Total Ammonia</b>	Quarterly	Standard method
<b>Suspended Solids</b>	Quarterly	Standard method
<b>Sulphate</b>	Quarterly	Standard method
<b>Mineral Oils</b>	Quarterly	Standard method
<b>Dissolved metals</b>	Annually	Standard method
<b>Hazardous substances</b>	Annually	Standard method

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

**Note 2:** Apart from the visual inspection, the monitoring frequency for each parameter can be reduced with the prior agreement of the Agency.



**C.3.1 Control of Emissions to Sewer**

There shall be no process effluent emissions to sewer.



**C.3.2 Monitoring of Emissions to Sewer**

There shall be no process effluent emissions to Sewer.



**C.4 Waste Monitoring**

Waste Class	Frequency	Parameter	Method
Municipal waste dispatched to landfill	As may be specified by the Agency	BMW content	Waste characterisation or other methods as may be specified
Other <sup>Note 1</sup>			

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



**C.5 Noise Monitoring**

Location	Measurement	Frequency
N1, N2 (as per Drawing Number LW09-660-04-300-005 Rev B or as may be otherwise agreed/directed under Condition 6.8)	Daytime dB L <sub>Ar, T</sub> (30 minutes) Evening dB L <sub>Ar, T</sub> (30 minutes) Night-time dB L <sub>Aeq, T</sub> (15 – 30 minutes)	Quarterly
Period	Minimum Survey Duration	
Daytime	4 hour survey with a minimum of 3 sampling periods at each noise monitoring location. <sup>Note 2</sup>	
Evening-time	2 hours survey with a minimum of 1 sampling period at each noise monitoring location.	
Night-time <sup>Note 1</sup>	3 hour survey with a minimum of 2 sampling periods at each noise monitoring location.	

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

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

## C.6 Ambient Monitoring

### C.6.1 Dust Deposition and Micro-Organisms

**Location:** Dust - D1, D2 indicated on Drawing Number LW09-660-04-300-005 Rev B  
(or as might be amended under Condition 6.8)

Micro-organisms - at upwind and downwind locations to be agreed by the Agency  
or at any other locations as may be required by the Agency

Parameter	Monitoring Frequency	Analysis Method/Technique
Dust deposition	Quarterly <sup>Note 1</sup>	Bergerhoff
Bacteria	Annually	Grab sample <sup>Note 2</sup>
Aspergillus fumigatus	Annually	Grab sample <sup>Note 2</sup>

**Note 1:** Twice during the period May to September.

**Note 2:** Enumeration of colonies to be carried out as described in 'Standardised Protocol for the Sampling and Enumeration of Airborne Micro-organisms at Composting Facilities' - The Composting Association (1999) or alternative method and/or frequency as may be agreed by the Agency.



### C.6.2 Receiving Water Monitoring

**Location:** Upstream and downstream of SW1 (as per Drawing Number LW09-660-04-300-005 Rev B)

Control Parameter	Monitoring Frequency	Analysis Method/ Techniques
pH	Annually	pH electrode/meter with recorder
TOC	Annually	On-line TOC meter with recorder
Total Ammonia (as N)	Annually	Standard Method
Chemical Oxygen Demand	Annually	Standard Method
Suspended Solids	Annually	Standard Method
Biochemical Oxygen Demand	Annually	Standard Method
Orthophosphate (as P)	Annually	Standard Method
Biological Quality (Q) Rating/Q Link	Annually	To be agreed by the Agency
Priority Substances <sup>Note 1</sup>	As required by the Agency	Standard Method

**Note 1:** The relevant priority substances or pollutants for monitoring shall be identified by the licensee by undertaking a risk based assessment. The Licensee shall have regard to "Guidance on the Screening for Priority Substances for Waste Water Discharge Licences" issued by the Agency.



**C.6.3 Groundwater Monitoring****Location:**

GW1 (to be agreed by the Agency in advance of the commencement of the waste activity)

<b>Parameter</b>	<b>Monitoring Frequency</b>	<b>Analysis Method/Techniques</b>
<b>PH</b>	Biannually	pH electrode/meter
<b>COD</b>	Biannually	Standard Method
<b>Nitrate</b>	Biannually	Standard Method
<b>Total Ammonia</b>	Biannually	Standard Method
<b>Total Nitrogen</b>	Biannually	Standard Method
<b>Conductivity</b>	Biannually	Standard Method
<b>Chloride</b>	Biannually	Standard Method
<b>Fluoride</b>	Biannually	Standard Method
<b>Hazardous Compounds</b> <sup>Note1</sup>	Biannually	Standard Method

**Note 1:** 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



**SCHEDULE D: Specified Engineering Works**

**Specified Engineering Works**

Development of the facility including buildings.

Installation of waste-handling, processing, recycling/recovery infrastructure and any abatement systems.

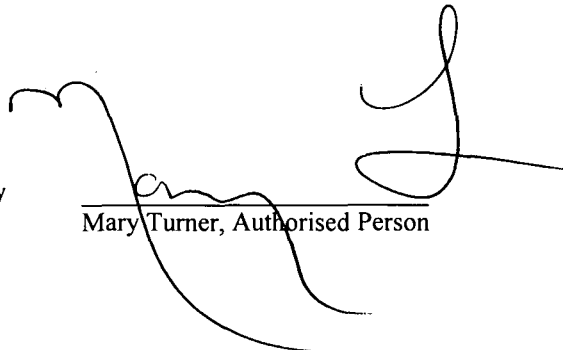
Any other works notified in writing by the Agency.

**SCHEDULE E: Annual Environmental Report**

<b>Annual Environmental Report Content</b> <sup>Note 1</sup>
<p>Emissions from the facility.</p> <p>Waste management record.</p> <p>Waste Recovery Report.</p> <p>Waste activities carried out at the facility.</p> <p>Quantity and composition of waste recovered, received and disposed of during the reporting period and each previous year (relevant EWC codes to be used).</p> <p>Volume of trade effluent/leachate and/or contaminated stormwater produced and volume discharged or transported off-site.</p> <p>Resource consumption summary.</p> <p>Complaints summary.</p> <p>Schedule of Environmental Objectives and Targets.</p> <p>Environmental management programme – report for previous year.</p> <p>Environmental management programme – proposal for current year.</p> <p>Pollutant Release and Transfer Register – report for previous year.</p> <p>Pollutant Release and transfer Register – proposal for current year.</p> <p>Noise monitoring report summary.</p> <p>Review of nuisance controls.</p> <p>Ambient monitoring summary.</p> <p>Full title and a written summary of any procedures developed by the licensee in the year which relates to the facility operation.</p> <p>Tank and pipeline testing and inspection report.</p> <p>Reported incidents summary.</p> <p>Energy efficiency audit report summary.</p> <p>Report on the assessment of the efficiency of use of raw materials in processes and the reduction in waste generated.</p> <p>Report on progress made and proposals being developed to minimise water demand and the volume of trade effluent discharges.</p> <p>Development/Infrastructural works summary (completed in previous year or prepared for current year).</p> <p>Reports on financial provision made under this licence, management and staffing structure of the facility, and a programme for public information.</p> <p>Review of Closure, restoration &amp; aftercare management Plan.</p> <p>Statement of measures in relation to prevention of environmental damage and remedial actions (Environmental Liabilities).</p> <p>Environmental Liabilities Risk Assessment Review (every three years or more frequently as dictated by relevant on-site change including financial provisions).</p> <p>Any other items specified by the Agency.</p>

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

**Signed on behalf of the said Agency**  
On the 19<sup>th</sup> day of November, 2013

  
\_\_\_\_\_  
Mary Turner, Authorised Person