

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

TECHNICAL AMENDMENT B  
TO  
WASTE LICENCE

<b>Licence Register Number:</b>	W0013-01
<b>Licensee:</b>	Galway City Council (formerly Galway Corporation)
<b>Location of Installation:</b>	Carrowbrowne Landfill Site Carrowbrowne Headford Road Galway

## ***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 Licence Reg. No. W0013-01 granted on 28 August 2003, (and amended on 15 January 2013) as well as any amendments noted herein, any emissions from the activity will comply with and not contravene any of the requirements of Section 40(4) of the Waste Management Act 1996, as amended.

A screening for Appropriate Assessment was undertaken to assess, in view of best scientific knowledge and the conservation objectives of the site, if the activity, individually or in combination with other plans or projects is likely to have a significant effect on any European Site. In this context, particular attention was paid to the European Site(s) in particular Lough Corrib SAC, Galway Bay Complex SAC, Ross Lake and Woods SAC, Gortnandarragh Limestone Pavement SAC, Connemara Bog Complex SAC, Lough Corrib SPA, Inner Galway Bay SPA and Cregganna Marsh SPA.

The activity is not directly connected with or necessary to the management of any European Site and the Agency considered, for the reasons set out below, that it can be excluded, on the basis of objective information, that the activity, individually or in combination with other plans or projects, will have a significant effect on any European Site and accordingly determined that an Appropriate Assessment of the activity was not required. The reason for this determination is to reduce the licensed site boundary which will not result in a material change in the nature of the discharges from the facility.

## ***Technical Amendment***

In pursuance of the powers conferred on it by Section 42B(1) of the Waste Management Act 1996, as amended, the Agency amends the licence, granted to Galway City Council (formerly Galway Corporation), City Hall, College Road, Galway for an installation located at Carrowbrowne Landfill Site, Carrowbrowne, Headford Road, Galway.

Henceforth, the licence shall be read in conjunction with a Section 42(B)(1)(c) Amendment issued on 15 January 2013 and the amendments set out below.

This technical amendment is limited to the following Condition(s) & Schedules:

## **Amendments**

### **Amended Conditions**

*Amend Condition 1.2 of the licence to read as follows:*

- 1.2 For the purposes of this licence, the facility is the area of land outlined in blue on the map entitled ‘*Site Layout & Monitoring Locations Carrowbrowne Landfill Site*’ which was received by the Agency on 5 April 2019. Any reference in this licence to “facility” shall mean the area thus outlined in blue.

### **Delete Conditions**

*Delete Condition 1.7.3 of the licence as follows:*

#### **1.7.3 Composting**

- 1.7.3.1 Waste shall only be accepted for composting between the hours of 8.00 a.m. to 6.00 p.m. Monday to Saturday inclusive.

*Delete Condition 3.17 Compost Facility of the licence as follows:*

#### **3.17 Compost facility**

- 3.17.1 Prior to any waste being accepted for composting at the facility, appropriate infrastructure for the composting of waste shall be established and maintained at the facility.
- 3.17.2 The entire compost area must be hardstand and all drainage shall either be recirculated back into the composting process or drain to the leachate treatment system.
- 3.17.3 Prior to the commencement of composting operations at the facility, the licensee shall submit a report to the Agency for its agreement, which shall assess the need for enclosure and odour management of the proposed composting operations (including waste reception, curing and storage) at the facility. Any recommendations arising from this report shall be implemented within a timeframe to be agreed with the Agency.
- 3.17.4 The licensee shall provide and maintain an air extraction and air abatement system for the treatment of odours arising from the composting operations. Monitoring of the abatement system shall be carried out as specified in *Schedule D: Monitoring*, of this licence.

*Delete Condition 5.5 Composting of the licence as follows:*

5.5 Composting

- 5.5.1 Only source segregated organic waste (including green waste) shall be composted at the facility.
- 5.5.2 All wastes (with the exception of green waste) accepted for organic waste composting shall be introduced into the compost process within 24 hours of acceptance at the facility.
- 5.5.3 Unless otherwise agreed with the Agency, the waste being composted shall be exposed to a temperature of >60 °C for a period of at least 6 days.
- 5.5.4 No waste shall be left uncovered in the composting area from the close of operation on Saturday until Monday morning opening unless otherwise agreed with the Agency.
- 5.5.5 Compost and Stabilised Biowaste shall comply with the Quality Standards as specified in *Schedule F: Standards for Compost and Stabilised Biowaste Quality*, of this licence, unless otherwise agreed with the Agency.
- 5.5.6 Compost of Class 1 Standard shall be considered a product, and shall be used according to best agronomic practice.
- 5.5.7 Compost of Class 2 Standard shall be considered a product, and shall be used according to best agronomic practice. Unless otherwise agreed with the Agency, it shall be used in a quantity not exceeding 30 tonnes dry matter per hectare (on a three year average).
- 5.5.8 Subject to the prior agreement of the Agency, Stabilised Biowaste may be used in artificial soils or in land applications that are not used for food and fodder crop production.
- 5.5.9 Compost not reaching the standards designated Class 1 or Class 2, and Stabilised Biowaste shall be considered a waste and the details recorded as required under Condition 10.6.

## Amended Schedules

*Amend Schedule A 1 Waste Acceptance of the existing licence as follows:*

### A.1 Waste Acceptance - Waste Categories and Quantities

Waste Type	Maximum (Tonnes Per Annum)
Inert materials to be used for the purposes of remediation and restoration of the facility	To be agreed with the Agency under Condition 4.1
Civic Waste Facility	8,500 <sup>Note 1</sup>

Note 1: Unless otherwise agreed with the Agency.

*Delete Schedule C 6 Emission Limits Values for Composting Process of the existing licence as follows:*

### C.6 Emission Limits Values for Composting process

**Emission Point reference no:** To be agreed with the Agency

**Minimum discharge height:** To be agreed with 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>

Replace Schedule D.2 Dust, Bioaerosols & Odour of the existing licence with Schedule D.2 Dust Monitoring as follows:

### D.2 Dust Monitoring

Table D.2.1 Monitoring Locations

<b>Monitoring Locations</b>
Four dust deposition monitoring points along boundary of facility <sup>Note 1</sup>
One dust deposition monitoring point at nearest sensitive location <sup>Note 1</sup>

**Note 1:** Locations to be agreed with the Agency.

Table D.2.2 Dust Monitoring Frequency and Technique

<b>Parameter</b>	<b>Monitoring Frequency</b>	<b>Analysis Method/Technique</b>
Dust deposition (mg/m <sup>2</sup> /day)	Three times a year <sup>Note 2</sup>	Standard Method <sup>Note 1</sup>

**Note 1:** Standard method VDI2119 (Measurement of Dustfall, Determination of Dustfall using Bergerhoff Instrument (Standard Method) German Engineering Institute). A modification (not included in the standard) which 2 methoxy ethanol may be employed to eliminate interference due to algae growth in the gauge.

**Note 2:** Twice during the period May to September or as otherwise agreed with the Agency.

*Amend Schedule E: Recording and Reporting to the Agency of the existing licence as follows:*

**Schedule E: Recording and Reporting to the Agency**

<b>Report</b>	<b>Reporting Frequency</b> <small>Note1</small>	<b>Report Submission Date</b>
<b>Environmental Management System Updates</b>	Annually	One month after the end of the year reported on.
<b>Annual Environment Report (AER)</b>	Annually	Thirteen months from the date of grant of licence and one month after the end of each year thereafter.
<b>Record of incidents</b>	As they occur	Within five days of the incident.
<b>Bund, tank and container integrity assessment</b>	Every three years	Six months from the date of grant of licence and one month after end of the three year period being reported on.
<b>Specified Engineering Works reports</b>	As they arise	Prior to the works commencing.
<b>Monitoring of landfill gas</b>	Quarterly	Ten days after end of the quarter being reported on.
<b>Monitoring of Surface Water Quality</b>	Quarterly	Ten days after end of the quarter being reported on.
<b>Monitoring of Groundwater Quality</b>	Quarterly	Ten days after end of the quarter being reported on.
<b>Monitoring of Leachate</b>	Quarterly	Ten days after end of the quarter being reported on.
<b>Meteorological Monitoring</b>	Annually	One month after end of the year being reported on.
<b>Dust Monitoring</b>	Three times a year	Ten days after the period being reported on
<b>Noise Monitoring</b>	Annually	One month after end of the year being reported on.
<b>Any other monitoring</b>	As they occur	Within ten days of obtaining results.

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

This Technical amendment shall be cited as Amendment B to the licence.

**Sealed by the Seal of the Agency on this the 29<sup>th</sup> day of August, 2019**

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

*Caitriona Collins*

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**Caitriona Collins, Authorised Person**

