

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

TECHNICAL AMENDMENT A  
TO  
WASTE LICENCE

<b>Licence Register Number:</b>	<b>W0244-01</b>
<b>Licensee:</b>	<b>Waterford City Council</b>
<b>Location of Facility:</b>	<b>Waterford Wastewater Treatment Plant, Springfield House, Gorteens, Co. Kilkenny.</b>



## *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. **W0244-01** granted on **13<sup>th</sup> May 2009**, 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 Acts 1996 to 2011.

## *Technical Amendment*

In pursuance of the powers conferred on it by Section 42B(1)(c) of the Waste Management Acts 1996 to 2011, the Agency amends Licence Reg. No. **W0244-01**, granted to **Waterford City Council, Wallace House, Maritana Gate, Canada Street, Waterford**.

Henceforth, the licence shall be read in conjunction with and the amendments set out below.

This technical amendment is limited to the following Schedule/Condition(s):

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# *Amendments*

## **Conditions of Licence**

- Condition 6.16.3 The licensee shall implement measures for the control of odours from the facility. Measures shall include but not be limited to the following:
- (i) Installation of an appropriately designed extraction and odour abatement system for the treatment of odorous air streams;
  - (ii) Maintenance of unit operations at the inlet works building and the sludge building that are sources of odour, under negative pressure with ventilated air passed through an appropriately designed biofilter;**
  - (iii) Doors to the inlet building shall remain closed other than to facilitate vehicle movements;
  - (iv) The storm tanks shall be cleaned immediately after use;
  - (v) The digested sludge holding tank shall be covered if required by the Agency.

*Delete Condition 6.16.3 of the existing licence and replace with the above condition.*

## Schedules to Licence

### SCHEDULE B: Emission Limits

#### B.1. Emissions to Air

<b>Emission Point Reference No:</b>	<b>OCU-1 (Odour Control Unit)</b>	
<b>Location:</b>	Inlet Works	
<b>Volume to be emitted:</b>	Maximum in any one day:	<b>381,000 m<sup>3</sup></b>
	Maximum rate per hour:	<b>15,875 m<sup>3</sup></b>
<b>Minimum discharges height:</b>	10m above ground	
<b>Parameter</b>	<b>Emission Limit Value</b>	
Ammonia	50 ppm (v/v)	
Amines	5 ppm (v/v)	
Hydrogen Sulphide	5 ppm (v/v)	
Mercaptans	5 ppm (v/v)	

<b>Emission Point Reference No:</b>	<b>OCU-2 (Odour Control Unit)</b>	
<b>Location:</b>	Sludge Treatment Area	
<b>Volume to be emitted:</b>	Maximum in any one day:	<b>164,000 m<sup>3</sup></b>
	Maximum rate per hour:	<b>6,833 m<sup>3</sup></b>
<b>Minimum discharges height:</b>	8m above ground	
<b>Parameter</b>	<b>Emission Limit Value</b>	
Ammonia	50 ppm (v/v)	
Amines	5 ppm (v/v)	
Hydrogen Sulphide	5 ppm (v/v)	
Mercaptans	5 ppm (v/v)	

Delete the first and second table in B.1 Emissions to Air of the existing licence and replace with the above two tables.

**SCHEDULE C: Control & Monitoring**

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

**Emission Point Reference No.: OCU-1 and OCU-2**

Parameter	Monitoring Frequency	Analysis Method/Technique <sup>Note 1</sup>
<b>Bed Media</b>		
Odour assessment <sup>Note 2</sup>	Daily	Subjective Inspection
Condition and depth of biofilter <sup>Note 3</sup>	Daily	Visual Inspection
Moisture content	Bi-annually	Standard method
pH	Bi-annually	pH probe
Ammonia	Bi-annually	Standard Method
Oils, fats and grease	Bi-annually	
Total viable counts	Bi-annually	Standard Method
<b>Inlet and Outlet Gas</b>		
Volume (m <sup>3</sup> /hour)	Bi-annually	Standard Method
Ammonia	Bi-annually	Standard Method
Hydrogen sulphide	Continuous	Standard Method
Mercaptans	Bi-annually	Standard Method
Amines	Bi-annually	Standard Method

**Note 1:** Where appropriate all analyses shall be carried out by a competent laboratory using standard and internationally acceptable techniques. The testing laboratory and the testing technique shall be agreed by the Agency in advance.

**Note 2:** This subjective assessment should be carried out by a staff member immediately upon arriving on-site.

**Note 3:** The biofilter shall be examined to ensure that no channelling is evident, and that moisture content is adequate. Watering, turning, restructuring and the addition of supplementary bed materials, or total bed replacement shall be carried out, as required, subject to bed performance.

*Delete the first table in C.1.2 Monitoring of Emissions to Air of the existing licence and replace with the above table.*

This technical amendment shall be cited as Amendment A (in pursuance of Section 42B(1) of the Waste Management Acts 1996 to 2011) to Waste Licence Register No. W0244-01.

**Sealed by the seal of the Agency on this the 29<sup>th</sup> February day of 2012**

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

  
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 Mary Turner, Authorised Person

