

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

TECHNICAL AMENDMENT A  
TO  
WASTE LICENCE

<b>Licence Register Number:</b>	W0173-01
<b>Licensee:</b>	Veolia Environmental Services (Ireland) Limited
<b>Location of Facility:</b>	Forge Hill, Kinsale Road, County Cork

## ***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. W0173-01 granted on 09/09/2003, as well as any amendments noted herein, any emissions from the activity shall comply with and not contravene any of the requirements of Section 40(4) of the Waste Management Acts 1996 to 2005.

## ***Technical Amendment***

In pursuance of the powers conferred on it by Section 42B(1)(b) of the Waste Management Acts 1996 to 2005 the Agency amends Licence Reg. No. W0173-01, granted to Veolia Environmental Services (Ireland) Limited, Ballymount Cross, Tallaght, Dublin 24.

Henceforth, the Licence shall be read in conjunction with the Amendment set out below, which shall be cited as Amendment A.

This technical amendment is limited to the following:

# *Amendments*

## **Part I Activities Licensed**

In pursuance of the powers conferred on it by the Waste Management Acts, 1996 to 2005, the Environmental Protection Agency (the Agency), under section 40(1) of the said Act hereby grants this Waste licence to Veolia Environmental Services (Ireland) Limited to carry on the waste activities listed below at Forge Hill, Kinsale Road, County Cork subject to conditions, with the reasons therefore and the associated schedules attached thereto set out in the licence.

*Amend the text in the Decisions & Reasons for the Decision, Part I section of the existing licence to read as above.*

## **Interpretation**

<b>BAT</b>	Best Available Techniques.
<b>Incident</b>	The following shall constitute an incident for the purposes of this licence: <ul style="list-style-type: none"><li>(i) an emergency;</li><li>(ii) any emission which does not comply with the requirements of this licence;</li><li>(iii) any trigger level specified in this licence which is attained or exceeded; and,</li><li>(iv) any indication that environmental pollution has, or may have, taken place.</li></ul>
<b>Licensee</b>	Veolia Environmental Services (Ireland) Ltd., Ballymount Cross, Tallaght, Dublin 24
<b>Standard Method</b>	A National, European or internationally recognised procedure (eg, 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>WSA</b>	Water Services Authority South Cork

*Amend the term 'Licensee' and insert the term 'WSA' in the Interpretation of the existing licence to read as above.*

## Conditions of Licence

### Condition 2.5 Resource Use and Energy Efficiency

2.5.1 The licensee shall carry out an audit of the energy efficiency of the site within one year of the date of grant of this amendment. The audit shall:-

- (i) identify all opportunities for energy use reduction and efficiency,
- (ii) be carried out in accordance with the guidance published by the Agency; “Guidance Note on Energy Efficiency Auditing” and
- (iii) be repeated at intervals as required by the Agency.

The recommendations of the audit shall be incorporated into the Schedule of Environmental Objectives and Targets under Condition 2.3 above.

2.5.2 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 the Schedule of Environmental Objectives and Targets.

2.5.3 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 shall 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.

*Amend condition 2 of the existing licence to add Condition 2.5 above.*

### 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 and to provide for the efficient use of resources and energy in all site operations.

*Amend Reason after Condition 2 in the existing licence to read as above.*

**Condition 3.11**

3.11.1 All domestic effluent shall discharge to the sanitary sewer system.

3.11.2 The licensee shall install and maintain a monitoring chamber and equipment for sampling the effluent discharged at FW-1 in accordance with the requirements of *Schedule D*. A separate composite sample or homogeneous sub-sample (of sufficient volume as advised) shall be refrigerated immediately after collection and retained as required by the Agency.

*Amend condition 3.11 of the existing licence to read as above.*

**Condition 4.2**

Decommissioning & Residuals Management

4.2.1 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, subsoils, buildings, plant or equipment, or any waste, materials or substances or other matter contained therein or thereon, that may result in environmental pollution.

4.2.2 Residuals Management Plan:

- (i) The licensee shall review the Decommissioning and Aftercare Plan referred to in Condition 4.1 and update it, to include the requirements specified in Condition 4.2.3 below. This plan shall be a fully detailed and costed plan for the decommissioning or closure of the site or part thereof and shall be referred to as the Residuals Management Plan. It shall be submitted to the Agency for agreement before 31 March 2008.
- (ii) 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.

4.2.3 The Residuals 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, to ensure 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.

- (v) Details of costings for the plan and the financial provisions to underwrite those costs.

4.2.4 A final validation report to include a certificate of completion for the residuals 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.

*Amend Condition 4 of the existing licence to add Condition 4.2 above.*

**Reason**

To provide for the disposal/recovery of waste and for the protection of the environment in the event of the cessation of the activity, or part thereof, and the return of the site to a satisfactory state.

*Amend Reason after Condition 4 in the existing licence to read as above.*

**Condition 6.8.1**

The licensee shall discharge wastewater and contaminated stormwater to sewer via emission point Reference FW-1 as shown on Drawing No. 2006-115-09-04 in the application.

*Amend condition 6.8.1 of the existing licence to read as above.*

**Condition 6.9**

6.9 Emission limit values for emissions to sewer in this licence shall be interpreted in the following way:

6.9.1 Continuous Monitoring

- (i) No flow value shall exceed the specified limit.
- (ii) No pH value shall deviate from the specified range.
- (iii) No temperature value shall exceed the limit value.

#### 6.9.2 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 result similarly calculated shall exceed 1.2 times the emission limit value.

#### 6.9.3 Discrete Sampling

For parameters other than pH and temperature, no grab sample value shall exceed 1.2 times the emission limit value.

- 6.9.4 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.

*Amend condition 6.9 of the existing licence to read as above.*

### **Condition 9**

#### 9.1 Incidents

9.1.2 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.

9.2.2 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 reoccurrence of the incident; and
- (ii) identify and put in place any other appropriate remedial action.

#### 9.5 Accident Prevention

The licensee shall, within twelve months of date of this amendment, ensure that a documented Accident Prevention Policy is in place, which shall address 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.

*Amend condition 9 of the existing licence by replacing Condition 9.1 with the condition above and inserting 9.5 above.*

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

*Amend Reason after Condition 9 in the existing licence to read as above.*

**Condition 12** 12.3 Water Services Authority

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

*Amend condition 12 of the existing licence by inserting condition above.*



## Schedules to Licence

### C.4 Emissions to Sewer

<b>Emission Point Reference No.:</b>	<b>FW-1</b>
<b>Location:</b>	<b>As shown on Drawing No. 2006-115-09-04</b>
<b>Volume to be emitted:</b>	Maximum in any one day: 60 m <sup>3</sup>
	Maximum rate per hour: 7.5 m <sup>3</sup>

Parameter	Emission Limit Value	
	mg/l	kg/day
Temperature	25°C (max.)	
pH	6.5 - 9	
BOD	2000	120
COD	4000	240
Suspended solids	500	30
VOC	1	-
Total nitrogen	100	-
Sulphates (as SO <sub>4</sub> )	750	-
Detergents	10	-
Fats, oils and grease	40	-
Total heavy metals	1	-
Mineral oils	5	-
Total hydrocarbons	5	-

*Amend C.4 of the existing licence to read as above.*

## D.6 Monitoring of Emissions to Sewer

Emission Point Reference No.: FW-1

Parameter	Monitoring Frequency	Analysis Method/Technique
Flow	Continuous	On-line flow meter with recorder
Temperature	Continuous	On-line temperature probe with recorder
pH	Daily <sup>Note 1</sup>	pH electrode/meter and recorder
Chemical Oxygen Demand	Weekly <sup>Note 1,2</sup>	Standard Method
Biochemical Oxygen Demand	Monthly <sup>Note 1</sup>	Standard Method
Suspended Solids	Weekly <sup>Note 1,2</sup>	Standard Method
Detergents	Quarterly <sup>Note 1</sup>	Standard Method
VOC	Quarterly	Standard Method
Sulphates	Quarterly <sup>Note 1</sup>	Standard Method
Fats, oils and grease	Monthly <sup>Note 1</sup>	Standard Method
Mineral oils	Twice yearly	Standard Method
Total heavy metals	Annually <sup>Note 1</sup>	Standard Method
Hydrocarbons	Twice yearly <sup>Note 1</sup>	Standard Method

**Note 1:** Samples shall be collected on a 24 hour flow proportional composite sampling basis.

**Note 2:** Monitoring frequency shall be fortnightly from 01 January 2009. The frequency may be amended with the agreement of the Agency and the WSA thereafter following the submission by the licensee of a report to the WSA on the results of two years monitoring.

This technical amendment shall be cited as Amendment A, (in pursuance of Section 42B(1) of the Waste Management Acts 1996 to 2005) to Waste Licence Register No.W0173-01 .

**Sealed by the seal of the Agency on this the 8th day of January 2008**

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

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Padraic Larkin, Director/Authorised Person