



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

TECHNICAL AMENDMENT B  
To  
INDUSTRIAL EMISSIONS LICENCE

<b>Licence Register Number:</b>	W0009-03
<b>Licensee:</b>	Fingal County Council
<b>Location of Facility:</b>	Balleally Landfill, Balleally, Lusk, County Dublin

## ***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. W0009-03 granted on 21/12/2009 and amended on 28/6/2010 and 19/12/2013 as well as any amendments noted herein, any emissions from the activity will comply with and not contravene any of the requirements of Section 83(5) of the Environmental Protection Agency Act 1992, 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 proposed activity (being the discharge of leachate to a sewer for treatment at the licensed Portrane waste water treatment plant), 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 Rogerstown Estuary SPA [site code 004015], Rogerstown Estuary SAC [site code 00208], Malahide Estuary SAC [site code 00205], Malahide Estuary SPA [site code 004025], Lambay Island SAC [site code 000204], Lambay Island SPA [site code 004069] 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. The reasons for this determination are as follows: The discharge of leachate is to a sewer which discharges to the Portrane waste water treatment plant where it is treated prior to discharge to the Irish Sea. The Portrane waste water treatment plant is authorised by the Agency through licence register number D0114-01 and the Agency took into consideration at the time of grant of that licence the impact of the discharge on European sites. The Fingal County Council remains responsible for ensuring that the discharge from the waste water treatment plant is compliant with the conditions and emission limit values of the waste water discharge licence. The emission limit values are such that the Agency has determined that environmental pollution will not be caused by the discharge.

## ***Technical Amendment***

In pursuance of the powers conferred on it by Section 96(1)(c) of the Environmental Protection Agency Act 1992, as amended, the Agency amends Licence Reg. No. W0009-03, granted to Fingal County Council, PO Box 174, Fingal County Hall, Main Street, Swords, County Dublin.

Henceforth, the licence shall be read in conjunction with Amendment A issued on 28/6/2010, the Section 76A(11) Amendment issued on 19/12/2013 and the amendments set out below.

This technical amendment is limited to the following:

Condition 8,  
Schedule C,  
Schedule D.

## ***Amendments***

### **Conditions of Licence**

- 8.12** The licensee shall carry out such sampling, analyses, measurements, examinations, maintenance and calibrations as set out in *Schedule C*.
- 8.13** The licensee shall permit authorised persons of the Agency and the Sanitary Authority to inspect, examine and test, at all reasonable times, any works and apparatus installed in connection with the leachate effluent and to take samples of the leachate effluent.
- 8.14** All automatic monitors and samplers shall be functioning at all times (except during maintenance and calibration) when the activity is being carried out 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. Prior written agreement for the use of alternative equipment, other than in emergency situations, shall be obtained from the Agency.
- 8.15** The licensee shall record all sampling, analyses, measurements, examinations, calibrations and maintenance carried out in accordance with the requirements of this licence.
- 8.16** No substance shall be present in such concentrations as would constitute a danger to sewer maintenance personnel working in the sewerage system or would be injurious to the construction of the sewer or would interfere with the operations of a downstream waste water treatment works.

- 8.17** No substance shall be discharged to sewer in a manner, or at a concentration which after initial dilution in the receiving waters to which the Sanitary Authority sewage is discharged, that causes tainting of fish or shellfish.
- 8.18** No emission to sewer shall take place which gives rise to any reaction within the sewer or to the liberation of by-products which may be of environmental significance.
- 8.19** The licensee shall ensure that the discharge to sewer shall not contain petroleum hydrocarbons or organic solvents (including chlorinated organic solvents) which would give rise to flammable or explosive vapours in the sewer.
- 8.20** A summary report of the results of analysis of effluent discharged to the sewer shall be forwarded to the sanitary authority on an annual basis.
- 8.21** Non-leachate effluent waste water (e.g. firewater, accidental spillages) which occurs on site shall not be discharged to the sewer without the prior authorisation of Fingal County Council.
- 8.22** The licensee shall at no time discharge or permit to be discharged into the sewer any liquid matter or thing which is or may be liable to set or congeal at average sewer temperature or is capable of giving off any inflammable or explosive gas or any acid, alkali, or other substance in sufficient concentration to cause corrosion to sewer pipes, penstock and sewer fittings or the general integrity of the sewer.
- 8.23** The licensee shall maintain, or have maintained, the on-site methane removal system.

*To be inserted after condition 8.11 of the existing licence.*

## Schedules to Licence

### Schedule C.7 Emissions to Sewer

**Emission Point Reference No:** SE-2, discharge to public sewer  
**Location:** Grid reference 321954E 252250N  
**Volume to be emitted:** Maximum in any one day: 150 m<sup>3</sup>  
 Maximum rate per hour: 30 m<sup>3</sup>

Parameter	Emission Limit Value	
Temperature	42°C (max)	
pH	6 – 10	
	Daily mean concentration (mg/l)	Maximum loading (kg/day)
<b>BOD</b>	150	22.5
<b>COD</b>	1100	165
<b>Suspended Solids</b>	800	120
<b>Ammonia (as N)</b>	800	120
<b>Phosphates (as P)</b>	10	1.5
<b>Sulphates (SO<sub>4</sub>)</b>	1000	150
<b>Fats, oils, grease</b>	100	15
<b>Chloride</b>	6000	900
<b>Mineral oils</b>	10	1.5
<b>BTEX compounds</b>	5	0.75
<b>Chromium (as Cr)</b>	0.3	0.045
<b>Copper (as Cu)</b>	0.5	0.075
<b>Nickel (as Ni)</b>	0.5	0.075
<b>Zinc (as Zn)</b>	1.5	0.225
<b>Methane gas in sewer headspace</b>	0.5% v/v (10% LEL)	-

*To be inserted after Schedule C.6 of the existing licence.*

**Schedule D.10 Leachate Monitoring - Emission to Sewer****Monitoring Point Reference No:** SE-2, discharge to public sewer**Location:** Grid reference 321954E 252250N

<b>Parameter</b>	<b>Monitoring frequency</b>	<b>Sampling method</b>
Flow to sewer	Daily	Continuous
pH	Daily	Continuous
Temperature	Daily	Continuous
Methane gas	Weekly	As may be agreed by the sanitary authority
BOD	Monthly	24-hour composite
COD	Monthly	24-hour composite
Suspended solids	Monthly	24-hour composite
Ammonia	Monthly	24-hour composite
Sulphates (as SO <sub>4</sub> )	Monthly	24-hour composite
Phosphates (as PO <sub>4</sub> -P)	Monthly	24-hour composite
Fats, oils, grease	Monthly	24-hour composite
Chloride	Monthly	24-hour composite
Mineral oils	Monthly	24-hour composite
BTEX compounds	Monthly	24-hour composite

*To be inserted after Schedule D.9 of the existing licence.*

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

**Sealed by the seal of the Agency on this the ... day of February 2014**

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

\_\_\_\_\_  
..., Director/Authorised Person