

Comhairle Contae Fhine Gall Fingal County Council

Ccd to Bm.
8/10/13 AK.



Brian Meaney
Licensing Unit, Office of Climate,
Licensing & Resource Use
Environmental Protection Agency Headquarters
PO Box 3000
Johnstown Castle Estate,
Co. Wexford

4th October 2013

**RE: Reg No: W0009-03 Section 52 Licence for Balleally
Landfill, Balleally, Lusk, Co. Dublin**

Dear Mr Meaney

I refer to your letter dated 4th September 2013 regarding the technical amendment of a Waste licence for Balleally Landfill, Balleally, Lusk, Co. Dublin.

As requested, I have enclosed the consent conditions to this letter

If you require any further information or if you wish to discuss any aspects regarding the enclosed conditions, please don't hesitate to contact me at 8906749 or my email colin.gallagher@fingalcoco.ie.

Yours sincerely

Colin Gallagher
Senior Executive Engineer
Inspectorate Division



Comhairle Contae Fhine
Gall,
An Roinn Comhshaoil,
Gnó &
Fiontar,
Rannán Cigireacht,
Halla an Contae,
An Phríomh Shráid,
Sórd,
Co. Átha Cliath

Fingal County Council,
Environment, Business &
Enterprise Department,
Inspectorate Division,
County Hall,
Main Street,
Swords,
Co. Dublin

Telephone
01 890 6749



For inspection purposes only.
Consent of copyright owner required for any other use.

SANITARY AUTHORITY RESPONSE
RE ; Section 52 of the Waste Management Acts 1996 to 2011.

Name & Address of Sanitary Authority : **Fingal County Council**
P.O.Box 174
Fingal County Hall
Swords
County Dublin



Waste Registration Number : **W0009-03**

Waste Facility : **Balleally Landfill, Balleally, Lusk. County Dublin.**

Technical Amendment granted subject to the consent conditions outlined below	Yes
---	------------

CENTRAL LABORATORY CONSENT CONDITIONS

WMA Register Number: **W0009-03**

GENERAL CONSENT CONDITIONS SE-1 (Balleally Leachate Discharge to Lusk Sewer)	Condition to be included (Yes/No)
1. No specified emission to sewer shall exceed the emission limit value set out in Schedule B : <i>Emission Limits to Sewer</i> . There shall be no other emission to sewer of environmental significance.	Yes
2. The Licensee shall carry out such sampling, analyses, measurements, examinations, maintenance and calibrations as set out in <i>Schedule C</i> .	Yes
3. Monitoring and analytical equipment shall be operated and maintained as necessary so that monitoring accurately reflects the emission or discharge.	Yes
4. 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.	Yes
5. 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.	Yes
6. The licensee shall record all sampling, analyses, measurements, examinations, calibrations and maintenance carried out in accordance with the requirements of this licence.	Yes
7. The licensee shall provide safe and permanent access to all on-site sampling and monitoring points and off-site points as required by the Agency.	Yes
8. 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 sewer or would interfere with the operations of a downstream wastewater treatment works.	Yes

9. No substance shall be discharged in a manner, or at a concentration which after initial dilution in the receiving waters to which the Sanitary Authority sewage is discharged , causes tainting of fish or shellfish.	Yes
10. 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.	Yes
11. The licensee shall ensure that the effluent shall not contain petroleum hydrocarbons or organic solvents (including chlorinated organic solvents) which would give rise to flammable or explosive vapours in the sewer.	Yes
12. 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.	Yes
13. Non-leachate effluent wastewater (e.g. firewater, accidental spillages) which occurs on site shall not be discharged to the sewer without the prior authorisation of Fingal County Council.	Yes
14. 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.	Yes

ADDITIONAL GENERAL CONSENT CONDITIONS (specify if required)
15. The Licensee shall maintain, or have maintained the on-site methane removal system.

For inspection purposes only.
Consent of copyright owner required for any other use.

Limit Values for Process Effluent to Sewer

Schedule B – Emission Limits

Waste Licence Application Register No.: **W0009-03**

Emission Point Reference No. : **SE-1 Grid Reference 322622E 253284N**

Emission to (sewer description) : Public Sewer from Lusk to Portrane

Volume to be emitted: Maximum in any one day : **150.0 m³**

Maximum rate per hour : **30.0 m³**

Parameter (delete parameters which are not applicable)	Emission Limit Value	
	Daily Mean Concentration (mg/l)	Daily Mean Loading (kg/day)
BOD	150	22.5
COD	1,100	165.0
Suspended Solids	800	120.0
Ammonia (as N)	800	120.0
Sulphates (as SO ₄)	1,000	150.0
Phosphates (as P)	10	1.5
Fats, Oils, Grease	100	15.0
pH	6 - 10	-
Temperature	42 degrees C	

ADDITIONAL PARAMETERS

Chloride	6,000	900.0
Mineral Oils	10	1.5
BTEX compounds	5	0.75
Chromium (as Cr)	0.3	0.045
Copper (as Cu)	0.5	0.075
Nickel (as Ni)	0.5	0.075
Zinc (as Zn)	1.5	0.225
Methane Gas (% v/v) (Sewer Headspace)	0.5% v/v (10% LEL)	

Frequency of Monitoring Process Effluent to Sewer

Schedule C

Waste Licence application Register No. **W0009-3**

Emission point reference no: **SE-2 Monitoring point at the plant at Balleally**

Grid Reference : **321954E, 252250 N**

Parameter	Monitoring Frequency	Sampling Method/Type (grab, continuous)
Flow to sewer	Daily	Continuous
BOD	Monthly	24-hr Composite
COD	Monthly	24-hr Composite
Suspended Solids	Monthly	24-hr Composite
Ammonia	Monthly	24-hr Composite
Sulphates (as SO ₄)	Monthly	24-hr Composite
Phosphates (as PO ₄ -P)	Monthly	24-hr Composite
Fats, Oils, Grease	Monthly	24-hr Composite
pH	Daily	Continuous
Temperature	Daily	Continuous

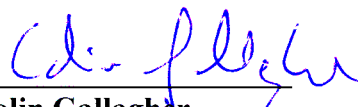
ADDITIONAL PARAMETERS

Chloride	Monthly	24-hr composite
Mineral Oils	Monthly	24-hr composite
BTEX Compounds	Monthly	24-hr composite
Methane Gas	Weekly	

SANITARY AUTHORITY CHARGES

Charge per cubic metre of leachate effluent/(per section 52 of the Waste Management Acts, 1996 to 2011)	The Licensee shall pay Fingal County Council a charge based on the Mogden formula per cubic metre of effluent discharged to the foul sewer or such sum as may be determined from time to time, having regard to the variations in cost of providing effluent reception and treatment.
Payment Frequency	Quarterly

Annual Monitoring Costs	A fee of Euro 205.00 per sample collected by Fingal County Council representative for compliance monitoring is payable to Fingal County Council, quarterly on demand. The charge covers the cost of sample collection and chemical analysis. This charge may be revised annually by Fingal County Council.
-------------------------	--

Signed on behalf of Fingal County Council: 
Colin Gallagher,
Senior Executive Engineer.
04/10/13

*For inspection purposes only.
Consent of copyright owner required for any other use.*

For inspection purposes only.
Consent of copyright owner required for any other use.