

Fingal County Council Comhairle Contae Fhine Gall

Mr. Ian Marnane,
Headquarters PO Box 3000,
Johnstown Castle Estate,
Co. Wexford,
Ireland.



07th February 2007

Re: Application for consent for Trade Effluent Discharge to Sewer – Waste Licence - W0231-01, Fingal Landfill, Nevitt, Lusk, Co. Dublin.

Water Services Department
Postal Address
P.O. Box 174,
County Hall,
Swords,
Fingal,
Co. Dublin

An Roinn Seirbhísí Uisce
Bosca 174,
Áras an Chontae,
Sord,
Fine Gall,
Contae Átha Cliath

Office Address
Grove Road,
Blanchardstown,
Fingal,
Dublin 15

Telephone
01 890 5970
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01 890 5919
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waterservices@fingalcoco.ie
www.fingalcoco.ie

Dear Sir,

Please find attached a copy of the completed consent to discharge application form for the Fingal Landfill at Nevitt, Lusk, Co. Dublin.

The application was originally received on the 0th September 2006 requesting Fingal County Councils consent to the proposed discharge from the above facility. At time of receipt the intended site at Nevitt was undeveloped, so a site inspection (as required by European Regulations on Minimum Criteria for Environmental Inspections) could not be carried out.

The attached consent was drafted based on the information contained in the Environmental Impact Statement submitted to the EPA.

The New Portrane WWTP, which will receive the discharged leachate, is scheduled to be completed by end of year 2009. This plant will have the capacity to treat the maximum daily volumes of discharged effluent as outlined in the EIS. I would note that either Malahide or Swords WWTP will accept by tanker and have the capacity to treat the discharged leachate in the interim period.

If you require any further information on this matter do not hesitate to contact David Devine on 01 8906776 or email at david.devine@fingalcoco.ie.

Yours Faithfully,


Peter O' Reilly
Senior Engineer
Water Services Department

*Water is precious. Let's conserve it.
Tá uisce luachmhar. Caomhnáimís é.*



CENTRAL LABORATORY CONSENT CONDITIONS

Re: SECTION 52 OF THE WASTE MANAGEMENT ACTS, 1996 to 2005 .

Central Laboratory Reference: **70652**

Central Laboratory Monitoring Code : **856-05 (SE-1 Location N/A)**

Name and Address of Sanitary Authority: **Fingal County Council,
PO Box 174, Fingal County Hall, Main Street, Swords, County Dublin.**

Waste Register No. : **W0231-01**

Waste Facility : **Fingal Landfill, Nevitt, Lusk, County Dublin.**

Waste Licence Applicant : **Fingal County Council**

Consent granted subject to the consent conditions outlined below	Yes
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GENERAL CONSENT CONDITIONS	Condition to be included (Yes/No)
1. No specified discharge or emission to sewer from the installation shall exceed the emission limit values set out in Schedule B : Emissions to Sewer. There shall be no other emission to sewer of environmental significance.	Yes
2. The Licensee shall carry out such sampling, analysis, measurements, examinations, maintenance and calibrations as set out in Schedule C .	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 process effluent, and to take samples of the discharge or emission.	Yes
5. All automatic monitors and samplers shall be functioning at all times (except during maintenance and calibration) when the activity is being carried on unless alternative sampling or monitoring has been agreed in writing by the Agency for a limited period. In the event of a malfunction of any continuous monitor, the Licensee shall contact the Agency as soon as practicable, and alternative sampling and monitoring practices 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 and maintain safe and permanent access to all on-site sampling and monitoring points and to off-site points as required by the Agency.	Yes
8. 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

9. In the event of any incident which relates to discharges to sewer having taken place, the licensee shall notify the Agency, Local Authority and Sanitary Authority as soon as practicable after the event.	Yes
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<p style="text-align: center;">ADDITIONAL GENERAL CONSENT CONDITIONS (required)</p>	
10. The Licensee shall submit effluent monitoring results to Fingal County Council on an annual basis.	11. Non-trade 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.
12. No discharge or 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.	13. 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 damaging to the fabric of sewer, or would interfere with the biological functioning of the downstream receiving wastewater treatment plant.
14. Materials classifiable as “ Hazardous Wastes ” under the Waste Management Acts, 1996 to 2005, shall not be discharged to foul sewer.	15. Effluent shall be screened prior to discharge to remove <u>gross</u> solids and avoid blockages in the sewer.
16. The Licensee shall maintain (or have maintained) effluent treatment systems on site to ensure compliance with the conditions in this consent.	17. A methane gas monitoring system fitted with an alarm and recording system shall be installed upstream of the discharge point to foul sewer and shall be calibrated and maintained by the Licensee.
18. Daily rainfall records (mm/day) shall be logged on-site. The log shall be available for inspection by authorised officers of Fingal County Council.	19. Best Available Technology (BAT) shall be used by the Licensee to treat wastewater prior to discharge to foul sewer.

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Limit Values for Process Effluent to Sewer

SCHEDULE B : Emission Limits

Waste Licence Register No : **W0231-01**

Emission Point Reference No: **SE-1 Nevitt Landfill Sewer Discharge**
(**Grid References Not Available**)

Emission to (sewer description): **Dedicated sewer to be constructed to connect to Portrane WWTP network.**

Volume to be emitted: Maximum in any one day : 200 m³
Maximum rate per hour : _____ m³

Parameter (delete parameters which are not applicable)	Emission Limit	Value	Parameter to be limited (Yes/No)
	Daily Mean	Daily Mean	
	Concentration (mg/l)	Loading (kg/day)	
BOD	100	20.0 (334 PE)	Yes
COD	500	100.0	Yes
Suspended Solids	600	120.0	Yes
Sulphates (as SO ₄)	400	80.0	Yes
OFG	100	20.0	Yes
pH	6 – 10		Yes
Temperature	42 degrees C		Yes

ADDITIONAL PARAMETERS

(if required)

Mineral Oils (mg/l)	10	2.0	Yes
Detergents (mg/l)	100	20.0	Yes
Phosphates (as PO ₄ -P)	100	20.0	Yes
Ammonium (as mg/l N)	100	20.0	Yes
Arsenic (as mg/l As)	0.5	0.1	Yes
Chromium (as mg/l Cr)	1.0	0.2	Yes
Copper (as mg/l Cu)	1.0	0.2	Yes
Nickel (as mg/l Ni)	1.0	0.2	Yes
Zinc (as mg/l Zn)	5.0	1.0	Yes
Lead (as mg/l Pb)	0.5	0.1	Yes
Mercury (as mg/l Hg)	0.1	0.02	Yes
Cadmium (as mg/l Cd)	0.1	0.02	Yes
Chloride (as mg/l Cl-)	2,000	400.0	Yes
Cyanide (as mg/l CN-)	1.0	0.2	Yes
Fluoride (as mg/l F-)	1.0	0.2	Yes

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SCHEDULE C

of Sanitary Authority Consent per s. 52 of Waste Management Act, 1996.

Emissions to Sewer - Frequency of Monitoring

Waste Licence No. : W0231-01

Emission point reference no: SE-1

Parameter	Monitoring Frequency	Sampling Method/Type (grab, continuous)
Flow to sewer		Continuous
BOD	Monthly	24-hr composite
COD	Monthly	24-hr composite
Suspended Solids	Monthly	24-hr composite
Sulphates (as SO ₄)	Monthly	24-hr composite
OFG	Monthly	24-hr composite
Temperature	Monthly	Grab
pH	Monthly	Grab

ADDITIONAL PARAMETERS

(if required)

Mineral oils	Monthly	Grab
Detergents	Monthly	24-hr Composite
Phosphates	Monthly	24-hr Composite
Ammonium	Monthly	24-hr Composite
Arsenic	Monthly	24-hr Composite
Chromium	Monthly	24-hr Composite
Copper	Monthly	24-hr Composite
Nickel	Monthly	24-hr Composite
Zinc	Monthly	24-hr Composite
Lead	Monthly	24-hr Composite
Mercury	Monthly	24-hr Composite
Cadmium	Monthly	24-hr Composite
Chloride	Monthly	24-hr Composite
Cyanide	Monthly	24-hr Composite
Fluoride	Monthly	24-hr Composite
Methane Gas (as % v/v)	Continuous	Continuous

SANITARY AUTHORITY CHARGES	
Charge per cubic metre of trade effluent/per kg of BOD (delete as appropriate)	
Payment Frequency	
Annual Monitoring Costs	Euro 1524

Signed on behalf of Central Laboratory:

Imelda Averill

Imelda Averill,
Senior Executive Scientific Officer.
31/01/07

Denis Morrissey

Denis Morrissey,
Senior Scientific Officer.
31/01/07

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