



Fingal County Council Comhairle Contae Fhine Gall

Ms. Sonja Smith,
Programme Officer,
Licensing Unit,
Office of Licensing & Guidance,
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Inniscarra,
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03 April 2007

Water Services Department
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Re: Consent to discharge -
Kilshane Cross Recycling Park, Newtown, Kilshane Cross, Dublin 15.

Dear Madame,

Please find enclosed the completed consent to discharge form for Kilshane Cross Recycling Park, Newtown, Kilshane Cross, Dublin 15

If you have any queries regarding this matter do not hesitate to contact David Devine on 8906776 or by email at: david.devine@fingalcoco.ie.

Yours Faithfully,

David Devine
A/Senior Executive Engineer
Water Pollution Control

*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: **70661**

Central Laboratory Monitoring Code : **856-07 (Exact 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. : **W0223-01**

Waste Facility : **Kilshane Cross Recycling Park, Newtown, Kilshane Cross.
Dublin.15.**

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
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 at Ringsend (Dublin City Council)	
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. Best Available Technology (BAT) shall be used by the Licensee to treat wastewater prior to discharge to foul sewer.	
19. Operational details and performance characteristics of specific processes to be used on site shall be sent to the Water Services Department of Fingal County Council by the Licensee as soon as they become available.	

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Limit Values for Process Effluent to Sewer

SCHEDULE B : Emission Limits

Waste Licence Register No : **W0223-01**

Emission Point Reference No: **Combined Process Discharge to Foul Sewer from Site (Grid References Not Yet Available)**

Emission to (sewer description): **Dedicated sewer to be constructed to connect to Dublin North Fringe Sewer network.
Ringsend Wastewater Treatment Plant**

WWT

Volume to be emitted: Maximum in any one day : 510 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	150	76.5 (1,275 PE)	Yes
COD	450	229.5	Yes
Suspended Solids	500	255.0	Yes
Sulphates (as SO ₄)	400	204.0	Yes
OFG	100	51.0	Yes
pH	6 – 10		Yes
Temperature	42 degrees C		Yes

ADDITIONAL PARAMETERS

Mineral Oils (mg/l)	10	5.1	Yes
Detergents (mg/l)	100	51.0	Yes
Phosphates (as PO ₄ -P)	100	51.0	Yes
Total Phosphorus (as P)	150	76.5	Yes
Ammonium (as mg/l N)	100	51.0	Yes
Total Nitrogen (as mg/l N)	150	76.5	Yes
Arsenic (as mg/l As)	0.5	0.255	Yes
Chromium (as mg/l Cr)	1.0	0.510	Yes
Copper (as mg/l Cu)	1.0	0.510	Yes
Nickel (as mg/l Ni)	1.0	0.510	Yes
Zinc (as mg/l Zn)	5.0	2.55	Yes
Lead (as mg/l Pb)	0.5	0.255	Yes
Mercury (as mg/l Hg)	0.1	0.051	Yes
Cadmium (as mg/l Cd)	0.1	0.051	Yes
Fluoride (as mg/l F-)	1.0	0.510	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. : **W0223-01**

Emission point reference no: **N/A**

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

ADDITIONAL PARAMETERS

Mineral oils	Monthly	Grab
Detergents	Monthly	24-hr Composite
Phosphates	Monthly	24-hr Composite
Total Phosphorus	Monthly	24-hr Composite
Ammonium	Monthly	24-hr Composite
Total Nitrogen	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
Fluoride	Monthly	24-hr Composite
Dissolved Methane	Monthly	Grab
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 3302

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