

Dorota Richards

From: Ronan Connolly [redacted]
Sent: 17 May 2017 12:27
To: Dorota Richards
Cc: Caroline Murphy
Subject: Forge Hill Recycling Limited - W0291-01 - IW S52 Response_Consent _ 170516
Attachments: Forge Hill Recycling Limited - W0291-01 - IW S52 Response_Consent _ 170516.pdf

Dear Ms Richards,

Please find attached Irish Water's consent to discharge to sewer associated with the Forge Hill Recycling Limited - W0291-01 -application for a waste licence.

If you have any further queries, please do not hesitate in contacting me.

A hard copy shall be issued by post today.

Kind Regards,

Ronan

Ronan Connolly
Environmental Policy and Licensing Support Officer

Uisce Éireann

Teach Colvill, 24-26 Sráid Thalbóid, Baile Átha Cliath 1, Éire

Irish Water

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24-26 Talbot Street, Dublin 1.

Thank you for your attention.

Tá an fhaisnéis á seachadadh dírithe ar an duine nó ar an eintiteas chuig a bhfuil sí seolta amháin agus féadfar ábhar faoi rún, faoi phribhléid nó ábhar atá íogair ó thaobh tráchtála de a bheith mar chuid de. Tá aon athsheachadadh nó scaipeadh den fhaisnéis, aon athbhreithniú ar nó aon úsáid eile a bhaint as, nó aon ghníomh a dhéantar ag brath ar an bhfaisnéis seo ag daoine nó ag eintitis nach dóibh siúd an fhaisnéis seo, toirimisceithe agus féadfar é a bheith neamhdhleathach. Níl Líonraí Uisce Éireann faoi dhliteanas maidir le seachadadh iomlán agus ceart na faisnéise sa chumarsáid seo nó maidir le haon mhoill a bhaineann léi. Ní ghlacann Líonraí Uisce Éireann le haon dliteanas faoi ghnímh nó faoi iarmhairtí bunaithe ar úsáid thoirmisceithe na faisnéise seo. Níl Líonraí Uisce Éireann faoi dhliteanas maidir le seachadadh ceart agus iomlán na faisnéise sa chumarsáid seo nó maidir le haon mhoill a bhaineann léi. Má fuair tú an teachtaireacht seo in earráid, más é do thoil é, déan teagmháil leis an seoltóir agus scríos an t-ábhar ó gach aon ríomhaire. Féadfar ríomhphost a bheith soghabhálach i leith truaillithe, idircheaptha agus i leith leasaithe neamhúdraithe. Ní ghlacann Líonraí Uisce Éireann le haon fhreagracht as athruithe nó as idircheapadh a rinneadh ar an ríomhphost seo i ndiaidh é a sheoladh nó as aon dochar do chórais na bhfaighteoirí déanta ag an teachtaireacht seo nó ag a ceangaltáin. Más é do thoil é, tabhair faoi deara chomh maith go bhféadfar monatóireacht a dhéanamh ar theachtairreachtaí chuig nó ó Líonraí Uisce Éireann chun comhlíonadh le polasaithe agus le caighdeáin Líonraí Uisce Éireann a chinntiú agus chun ár ngnó a chosaint. Fochuideachta gníomhaíochta de chuid Ervia is ea Uisce Éireann atá faoi theorainn scaireanna, de bhun fhorálacha an tAcht um Sheirbhísí Uisce 2013, a bhfuil a bpríomh ionad gnó ag 24-26 Teach Colvill, Sráid na Talbóide, BÁC 1.

Go raibh maith agat as d'aird a thabhairt.

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Reg No: W0291-01

16 May 2017


Dear Ms Richards,

I refer to your correspondence dated 29th February 2017 relating to an application from Forge Hill Recycling Limited, Ballycureen, Cork, T12AK44 for a Waste Licence.

Please find attached Irish Water's consent to discharge to sewer subject to the consent conditions attached.

If you have any further query please do not hesitate to contact us.

Yours sincerely



**Michael O'Leary,
Authorised Signatory**

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IRISH WATER RESPONSE

Irish Water
Colvill House
24/26 Talbot Street
Dublin 1

Name of Facility: Forge Hill Recycling Limited.

Reg No.: W0291-01

Location Address: Forge Hill, Ballycureen, Cork. T12 AK44

Consent granted subject to the consent conditions outlined below.	Yes
Consent granted without conditions.	N/A
Consent refused.	N/A

CONSENT CONDITIONS TO BE INCLUDED

1. The Licensee shall permit authorised persons, of the Agency and Irish Water, to inspect, examine and test, at all reasonable times, any works and apparatus installed in connection with the trade effluent and to take samples of the trade effluent.
2. The Licensee shall at no time discharge or permit the discharge into the sewer of any liquid matter or thing which;
 - I. would constitute a danger to sewer maintenance personnel working in the wastewater network or wastewater treatment plant;
 - II. cannot be appropriately treated at the downstream wastewater treatment plant;
 - III. would be liable to render wastewater sludge generated at the downstream wastewater treatment plant unsuitable for disposal to agricultural lands or other approved disposal routes;
 - IV. would be liable to cause corrosion to sewer pipes, penstock and sewer fittings or the general integrity of the sewer;
 - V. would be liable to cause the liberation of by-products detrimental to either the wastewater network or wastewater treatment plant;
 - VI. would be liable to cause impairment of the receiving environment and ecosystem to which the wastewater treatment plant discharges;
 - VII. would be liable to give rise to flammable or explosive vapours in the receiving wastewater network;
 - VIII. would be liable to cause the release of nuisance odours from the wastewater network either directly or indirectly following mixing with other wastewater within the network; or,
 - IX. would be liable to cause a blockage in the wastewater network or set, or congeal, at average sewer temperature.

3. The licensee shall notify Irish Water, the Local Authority and the Agency in advance of any changes which may result in a change in the nature, characteristics or volume of trade effluent or other matter discharged to sewer.
4. Monitoring and analyses equipment shall be operated and maintained as necessary so that monitoring accurately reflects the discharge to sewer.
5. The licensee shall record all sampling, analyses, measurements, examinations, calibrations and maintenance carried out in accordance with the requirements of this licence.
6. The Licensee shall ensure that any trade effluent generated as a result of kitchen/canteen activities with the potential to contain fats, oils and grease (FOG) pass through grease removal equipment before entry to the public sewer.
7. The Licensee shall maintain on-site trade effluent treatment systems so as to meet the requirements set out in Schedule B and in any case, at least in accordance with the manufacturer's specifications or industry best practice guidelines or as per additional maintenance or servicing requirements requested in writing by Irish Water based on operational experience.
8. A summary report of volumes of effluent discharged to the sewer along with monitoring and analysis data as specified in <i>Schedule B: Emission Limits to Sewer</i> and <i>Schedule C: Control & Monitoring</i> , of this licence shall be forwarded to both the Irish Water and the Local Authority in a manner and timeframe specified by Irish Water.
9. <i>(For inclusion in "Condition 2. Management of the Installation; Subsection Environmental Management System (EMS) - Schedule of Environmental Objectives and Targets)</i> The licensee shall provide for the reduction and minimisation of stormwater run-off discharging to the foul sewer and include stormwater reduction targets. The schedule shall include time frames for the achievement of set targets and shall address a five-year period as a minimum. <i>Environmental Management Programme (EMP):</i> The licensee shall maintain and implement an EMP, including a time schedule, for achieving the above (<i>stormwater to foul sewer reduction</i>) Environmental Objectives and Targets.
10. The licensee shall pay to Irish Water 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, treatment, monitoring, sampling and analysis costs. Payment to be made on demand.

Schedule B: Emission Limits

Limit Values for Process Effluent to Sewer

Emission Point Reference No.: FW1 (E566797, N568771)

Volume of Trade effluent emitted:

Maximum in any one day: 100m³/day
 Maximum in any hour: 30m³/hr
 Maximum in any second:

Parameter	Emission Limit Values		
	Concentration (mg/l) ^{Note 1}	Mean Daily Load (kg/day)	Max Daily Load (kg/day)
pH	6-9 pH Units		
Temperature	25°C		
Toxicity*	10 TU		
BOD	2000	20	200
COD	4000	40	400
Total Suspended Solids	500	5	50
FOG	100		
Total N	100		
Detergents	10		
Mineral Oil	5		
Total Hydrocarbons	5		
Sulphate	750		
VOC	1		
Total Heavy Metals	1		

* Toxicity Units (TU) are defined as: $TU = (100/x \text{ Hour EC50})$ where x is the relevant period of exposure and EC50 is expressed as %vol/vol.

Schedule C.1. Frequency of Monitoring Process Effluent to Sewer

Emission Point Reference No.: FW1

Parameter	Monitoring Frequency (Note 1 &2)	Analysis Method/Technique
Flow to sewer	Continuous	On-line continuous Flow meter with recorder
pH	Continuous	On-line continuous pH Probe and recorder
Temperature	Continuous	On-line continuous Temperature probe with recorder
BOD	Monthly	Standard Method
COD	Weekly	Standard Method
Total Suspended Solids	Weekly	Standard Method
FOG	Monthly	Standard Method
Total N	Bi-annually	Standard Method
Detergents	Quarterly	Standard Method
Mineral Oil	Bi-annually	Standard Method
Total Hydrocarbons	Bi-annually	Standard Method
Sulphate	Quarterly	Standard Method
VOC	Quarterly	Standard Method
Total Heavy Metals	Annually	Standard Method
Toxicity	Upon Request	As Agreed

Note 1.

All samples excluding those for flow, pH and temperature shall be collected on a 24 hour flow proportional composite sampling basis. In this regard, a composite sample for testing purposes shall be defined as any sample extracted from the sampling apparatus between 8.00 am and 12.00 noon on any day for which normal operational activities have been ongoing for the previous 24 hours.

Note 2.

Sampling shall take place on alternate week days on a rolling basis to ensure representative samples are obtained for site operations which may vary across the working week.

C.2. Control of Emissions to Sewer

Description of treatment: Removal of Suspended Solids and Mineral Oils

Control Parameter	Monitoring	Key Equipment ^{Note 1}
Suspended Solids & Mineral Oils/ Total Hydrocarbons	Suspended Solids /Silt & Mineral Oils/ Total Hydrocarbons removal	Class I Full Retention Interceptor

Note 1: Key equipment employed shall be in accordance with BS EN 858

Description of treatment: Removal of Fats, Oil and Grease generated as a result of any kitchen/canteen activities

Control Parameter	Monitoring	Key Equipment ^{Note 1}
Fats, Oil & Grease Removal	FOG content in trade effluent as a result of kitchen/canteen activities	Grease Removal Equipment

Note 1: Grease removal equipment employed shall meet the following specifications;

- Passive grease separators must comply with the requirements of I.S. EN 1825: Parts 1 & 2
- Grease removal units must comply with the requirements of the US Plumbing and Drainage Institute (PDI) G101 guidelines.

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