

Noeleen Keavey

From: Section99 <Section99@water.ie>
Sent: 22 November 2016 18:17
To: Noeleen Keavey
Cc: Brian Meaney; Section99
Subject: W0184-02 Enva Ireland Limited_ Portlaoise - IW S99E Consent Response 20161122
Attachments: W0184-02 Enva Ireland Limited_ Portlaoise - IW S99E Consent Response 20161122.pdf

Dear Ms Keavey,

Please find attached Irish Water's response associated with the Enva Ireland Limited, Clonminam Industrial Estate, Portlaoise, County Laois Industrial Emissions Licence review.

Hard copy to follow in post.

If you have any further queries, please do not hesitate to contact me.

Kind Regards,

Ronan

Ronan Connolly
Environmental Policy and Licensing Support Officer


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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: W0184-02

22 November 2016

Dear Ms Keavey,

I refer to your correspondence dated 16th September 2016 regarding Irish Water's Section 99E consent response relating to an application from Enva Ireland Limited, Clonminam Industrial Estate, Portlaoise, County Laois for an Industrial Emissions Licence review.

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

Mark O' Callaghan,
Authorised Signatory

IRISH WATER RESPONSE

Irish Water
Colvill House
24/26 Talbot Street
Dublin 1

Name of Facility: Enva Ireland Limited

Reg. No: W0184-02

Location Address: Clonminam Industrial Estate, Portlaoise, County Laois

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

CONSENT CONDITIONS TO BE INCLUDED

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 wastewater network or wastewater treatment plant; II. cannot be appropriately treated at the downstream wastewater treatment plant; III. would cause corrosion to sewer pipes, penstock and sewer fittings or the general integrity of the sewer; IV. causes the liberation of by-products detrimental to either the wastewater network or wastewater treatment plant; V. causes impairment of the receiving environment and ecosystem to which the wastewater treatment plant discharges; VI. would give rise to flammable or explosive vapours in the receiving wastewater network; VII. would cause the release of nuisance odours from the wastewater network either directly or indirectly following mixing with other wastewater within the network; or, VIII. would be liable to cause blockages in the wastewater network or set or congeal at average sewer temperature.
3. No specified emission to sewer shall exceed the emission limit values set out in Schedule B : Emission Limits to Sewer
4. The licensee shall carry out such sampling, analyses, measurements, examinations, maintenance and calibrations as set out in Schedule C. Representative samples of the final effluent shall be taken by the Licensee and tested for the chemical and physical characteristics conditioned in this licence using

<p>standard methods. The frequency of sampling shall be as necessary but shall not be less than frequencies set out in schedule C. The costs of all such tests shall be borne by the Licensee.</p>
<p>5. Only trade effluent wastewater which is generated within the site boundary as a result of licensed activities shall be permitted to be discharged to sewer.</p>
<p>6. All trade effluent arising from the facility shall be collected and discharged to Irish Water's foul sewer as indicated on drawings and maps which accompanied this licence review application.</p>
<p>7. The licensee shall notify Irish Water and the Local Authority along with the Agency in advance of any changes which may result in a change in the nature, characteristics or volume of trade effluent discharged to sewer.</p>
<p>8. Monitoring and analyses equipment shall be operated and maintained as necessary so that monitoring accurately reflects the discharge to sewer.</p>
<p>9. The licensee shall record all sampling, analyses, measurements, examinations, calibrations and maintenance carried out in accordance with the requirements of this licence.</p>
<p>10. 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.</p> <p>Grease removal equipment employed shall meet the following specifications;</p> <ul style="list-style-type: none"> - 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.
<p>11. Within 3 months of the date of grant of this Licence, the Licensee shall submit specifications of the proposed or existing grease removal equipment and evidence, including calculations, demonstrating that the size of equipment is in accordance with Condition 10. This submission shall be sent to Irish Water via TER@water.ie (TER = Trade Effluent Returns) and the Local Authority.</p>
<p>12. The Licensee shall maintain any grease removal equipment 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.</p>
<p>13. Waste FOG shall only be disposed of through an appropriately permitted waste removal contractor. The Licensee shall obtain and keep onsite disposal certificate records outlining:</p> <ol style="list-style-type: none"> a) Name and address of Licensee b) Name and address of waste contractor c) Vehicle Registration Number of waste contractor's vehicle d) Waste Permit Number e) Quantity of Fats, Oil and Grease (FOG) collected by the waste contractor f) Name and address of facility used for the disposal of the FOG g) The disposal certificate shall have a unique reference number
<p>14. "Best Management Practices" (BMP) in FOG management shall be employed by the</p>

<p>Licensee. The Licensee shall train all relevant staff in BMP and continually monitor operations within their facility to ensure that BMP are being carried out at all times.</p>
<p>15. The use of additives (microbial, enzymatic, biological or chemical) in conjunction with passive grease separators or grease removal units for the treatment of fats oils and grease (FOG) which emulsify FOG is not acceptable. It is the responsibility of the Licensee to ensure any additives used are non-emulsifying. It is also the responsibility of the Licensee to ensure additives are biodegradable, classed as non hazardous, free of enzymes and suitable for use in food areas.</p>
<p>16. The use of food macerators, food grinders or other purpose built mechanical devices to shred or hydrate or otherwise alter the structure of food waste for the purposes of facilitating its discharge to the sewerage system is not permitted.</p>
<p>17. The Licensee shall avoid the use of non-biodegradable cleaning agents/detergents. Where this is not possible, Best Available Techniques (BAT) shall be employed to substitute or minimise their discharge to sewer and receiving environment to which the wastewater treatment plant discharges.</p>
<p>18. The licensee shall notify Irish Water along with the Agency in advance of any changes which may result in a change in the nature, characteristics or volume of trade effluent discharged to sewer.</p>
<p>19. The Licensee shall have a representative sample(s) of the trade effluent tested for any other parameters which may be reasonably required by Irish Water for the purposes of assessing the effects of the trade effluent on:</p> <ul style="list-style-type: none"> I. the health and safety of wastewater network and treatment plant maintenance personnel; II. the general integrity of the wastewater network; III. the operations of the downstream wastewater treatment plant; and IV. wastewater sludge generated at the downstream wastewater treatment plant.
<p>20. The Licensee shall keep records in such a form as Irish Water may require of the volume, rate of discharge, nature and composition of the trade effluent discharged into the sewer and these shall be available at all reasonable times for inspection by Authorised Persons of Irish Water.</p> <p>To this end the Licensee shall within one month of the end of each quarter send summary reports via e-mail to the Local Authority Contact & Irish Water: TER@water.ie (TER = Trade Effluent Returns)</p> <p>The quarterly summary reports shall include, as the minimum, the following information:</p> <ul style="list-style-type: none"> I. all trade effluent monitoring results for the reporting period including certificates of analysis; II. daily trade effluent discharge volumes (minimum, maximum and average); III. hourly trade effluent discharge rates (minimum, maximum and average); IV. details of any non-compliances; V. reasons for non-compliance; and VI. proposals for prevention of a recurrence of the non-compliance with trade effluent ELVs.

21. In the event of any incident which relates to discharge to sewer, having taken place, the licensee shall notify Irish Water along with the Agency, by telephone and e-mail.

Irish Water: TER@water.ie (TER= Trade Effluent Returns)

Phone Number: 1890 278 278

An incident shall be considered to be any trade effluent discharge which:

- I. is a major breach of emission limits to sewer;
- II. would constitute a danger to sewer maintenance personnel working in the wastewater network or treatment plant;
- III. would be injurious to the construction of the wastewater network or treatment plant;
- IV. would interfere with the operations of the downstream wastewater treatment plant and supporting infrastructure; or
- V. would render wastewater sludge generated at the downstream wastewater treatment plant unsuitable for disposal to agricultural lands or other approved disposal routes.

22. 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 Irish Water.

23. The Licensee shall maintain, or have maintained any on-site effluent treatment systems.

24. If requested in writing by Irish Water, the final trade effluent generated onsite shall pass through appropriately sized screening before discharge to sewer so as to remove gross solids and prevent their entry to the public sewer. The screening apparatus shall be located upstream of the final trade effluent sampling point.

25. Best available technology (BAT) shall be used to prevent, minimise, manage and treat pollutants in the wastewater discharge to sewer.

26. A fee shall be payable to Irish Water by the Licensee for any required compliance monitoring outside of scheduled EPA monitoring. This charge covers the cost of sample collection by the Irish Water representative and chemical analysis. Payment is to be made on demand.

27. The Licensee shall pay amounts as may be determined by Irish Water having regard to the expenditure incurred or to be incurred by it in monitoring, treating and disposing of discharges of trade effluent, sewage effluent or other matter to sewer. Payment to be made on demand.

Limit Values for Process Effluent to Sewer

Schedule B: Emission Limits

Emission Point Reference No.: FS 1

Volume to be emitted: Maximum in any one day: 40 m³
 Maximum rate per hour (m³):

	Average	Maximum
0600 to 12 noon	1.25	1.25
12 noon to 1800	1.25	1.875
1800 to 0600	2.08	3.12

Parameter	Emission Limit Value	
	Concentration (mg/l)	Daily Load (kg/day)
pH	6-9	
Temperature	35°C	
Toxicity	10 TGD	
COD		200
Suspended Solids	400	20
Sulphate (as SO ₄)	800	32
Chloride	6,000	50
Fats, Oils and Grease	100	4
Total Phosphorus	50	6
Ammonia	80	3.2
Phenols	30	1.2
Copper	0.5	0.02
Zinc	0.5	0.02
Lead	0.5	0.02
Cadmium	0.005	0.0002

Frequency of Monitoring Process Effluent to Sewer

Schedule C

Emission Point Reference No.:

FS 1

Parameter	Monitoring Frequency (Note 1 & 2)	Analysis Method/Technique
Flow to sewer	Continuous	Flow meter
pH	Continuous	pH meter
Temperature	Continuous	Temperature Probe
Chemical Oxygen Demand	Daily	Standard Methods
Suspended solids	Daily	Standard Methods
Ammonia	Daily	Standard Methods
Sulphates	Weekly	Standard Methods
Chloride	Weekly	Standard Methods
Total Phosphorus	Weekly	Standard Methods
Phenols	Weekly	Standard Methods
Copper	Weekly	Atomic Absorbtion / ICP
Zinc	Weekly	Atomic Absorbtion / ICP
Lead	Weekly	Atomic Absorbtion / ICP
Cadmium	Weekly	Atomic Absorbtion / ICP
Fats, Oil & Grease	Weekly	Standard Methods
Full metals Screen	Quarterly	ICP
Priority Substances	As requested	Standard Methods
Toxicity	As requested	Standard Methods
Respirometry	Annually	Standard Methods

Note 1.

All samples excluding those for pH and temperature shall be collected on a 24 hour flow proportional composite sampling basis.

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.

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