

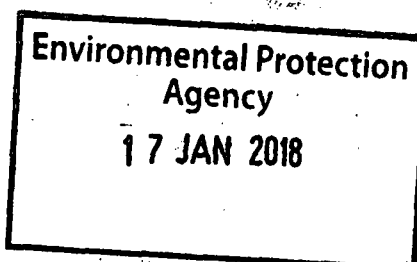


Ms Grainne Oglesby,
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Reg No: W0211-02

15 January 2018

Dear Ms Oglesby,

I refer to your correspondence dated 16th November 2017 regarding an application from ERAS ECO Limited, Foxhole, Youghal, County Cork, for an Industrial Emissions licence review.

Irish Water have assessed the IE licence review application W0211-02 and are satisfied to consent to the proposed discharge to sewer subject to the consent conditions attached.

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

Yours sincerely

Mark O' Callaghan,
Authorised Signatory

Environmental Protection
Agency
17 JAN 2018

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IRISH WATER RESPONSE

Irish Water
Colvill House
24/26 Talbot Street
Dublin 1

Name of Facility: ERAS ECO Limited

Reg. No: W0211-02

Location Address: Foxhole, Youghal, County Cork.

Consent granted subject to the consent conditions outlined below.	Yes
Consent granted without conditions.	N/A
Consent refused ^{Note 1}	N/A

Indicate either "Yes" or "No" to the request to include the condition(s) below in the licence as follows:

General Consent Conditions	Condition to be Included (Yes/No)
<p>1. No alteration to, or reconstruction in respect of, the activity, or any part thereof, that would, or is likely to, result in</p> <p>(i) A material change or increase in:</p> <ul style="list-style-type: none"> • the nature or quantity of any emissions; • the abatement/treatment or recovery systems; • the range of processes to be carried out; • the fuels, raw materials, intermediates, products or wastes generated, <p>or</p> <p>(ii) any changes in:</p> <ul style="list-style-type: none"> • site management, infrastructure or control with adverse environmental significance; <p>shall be carried out or commenced without prior notice to, and without the agreement of, the Agency <<To be included if required by Irish Water>> and/or Irish Water as appropriate</p>	<p align="center">Yes</p>
<p>2. The licensee shall prepare, maintain and implement (text highlighted in black bold for new licence only) / maintain and implement (text highlighted in green bold for reviews) a Schedule of Environmental Objectives and Targets. The Schedule shall, as a <i>minimum</i>, provide for a review of all operations and processes, including an evaluation of practicable options, for energy and resource efficiency, the use of cleaner technology, cleaner production and the prevention, reduction, and minimisation of waste and shall include waste reduction targets, reduction and diversion of storm runoff to sewer. The Schedule shall include time frames for the achievement of set targets and shall address a five-year period as a minimum. The Schedule shall be reviewed annually and submitted to Irish Water as requested.</p>	<p align="center">Yes</p>
<p>3. The licensee shall prepare, maintain and implement (text highlighted in black bold for new licence only) / maintain and implement (text highlighted in green bold for reviews) a detailed programme for maintenance of all plant and equipment based on the instructions issued by the manufacturer/supplier or installer of the equipment or as otherwise approved in writing by Irish Water.</p>	<p align="center">Yes</p>
<p>4. Silt traps and Oil Separators The Licensee shall, within six months of date of grant of this licence, install and</p>	<p align="center">Yes</p>

<p>maintain silt traps and oil separators at the facility/installation << EPA to select as appropriate>></p> <ul style="list-style-type: none"> (i) Silt traps to ensure that all storm water discharges, other than from roofs, from the Facility/installation pass through a silt trap in advance of discharge; (ii) An oil separator on the storm water discharge from yard areas. The separator shall be a Class I/Class II full retention/by-pass separator <<EPA to select as appropriate>> (iii) The silt traps and separator shall be in accordance with I.S. EN-858-2: 2003 separator systems for light liquids 	
<p>5. No specified emission from the installation shall exceed the emission limit values set out in <i>Schedule B: Emission Limits</i>, of this licence. There shall be no other emissions of environmental significance.</p>	Yes
<p>6. Other than the trade effluent authorised to be discharged under this licence, the licensee shall at no time discharge or cause or permit to discharge into sewer trade effluent or any other matter unless authorised in writing by Irish Water.</p>	Yes
<p>7. The licensee shall carry out such sampling, analyses, measurements, examinations, maintenance and calibrations as set out below and as in accordance with <i>Schedule C: Control & Monitoring</i>, of this licence.</p> <ul style="list-style-type: none"> (i) Sampling and analysis shall be undertaken by competent staff in accordance with documented operating procedures (ii) Such procedures shall be subject to a programme of Analytical Quality Control using appropriate control standards with evaluation of test responses. (iii) Where any analysis is sub-contracted it shall be outsourced to a competent laboratory. 	Yes
<p>8. Monitoring and analysis equipment shall be installed, operated and maintained as necessary, so that all monitoring accurately reflects the emission/discharge.</p>	Yes
<p>9. In the event of any incident which relates to discharges to sewer having taken place, the licensee shall notify Irish Water and the Local Authority, in the manner prescribed by Irish Water, as soon as practicable after such an incident.</p>	Yes
<p>10. The licensee shall pay to Irish Water such sum as may be determined from time to time, having regards to the variations in the cost of providing drainage and the variation in effluent reception, treatment, monitoring, sampling and analysis costs. Payment is to be made on demand from Irish Water</p>	Yes
<p>11. The licensee shall ensure that any trade effluent containing Fats, Oil, Grease or suspended solids generated from canteen activities at the facility shall pass through appropriate grease removal equipment prior to discharge to sewer. <i>Inclusion of note in Schedule C: Control of Emissions to sewer</i> Note: Grease removal equipment shall comply with EN or PDI standards or as otherwise specified by Irish Water.</p>	Yes
<p>12. A summary report of volumes of trade effluent and other matter 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 Irish Water and the Local Authority in a manner and timeframe as may be specified by Irish Water.</p>	Yes
<p>13. The licensee shall conclude an End User Agreement with Irish Water.</p>	Yes

End User Agreement definition proposed to be included in the Glossary of Terms for the IED/Waste Licences:

End User Agreement: "An agreement between the licensee and Irish Water which provides for the contractual conditions and arrangements relating to the acceptance of, and treatment by, Irish Water of the Licensee's trade effluent and wastewater."

ADDITIONAL GENERAL CONSENT CONDITIONS

**In respect of discharges or emissions to sewers, in accordance with Section 99E
of the Environmental Protection Agency Act 1992, as amended.**

(Specify, if required)

1. The Licensee shall ensure that storm water shall be diverted from the foul sewer to a dedicated surface water drainage system.

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Limit Values for Process Effluent to Sewer

Schedule B: Emission Limits

Emission Point Reference No.: SE 1

Emission to (*sewer description*): 209701E, 079869 N

Volume of Trade effluent emitted: Maximum in any one day: 170 m³
 Maximum in any hour: 7 m³

Parameter	Emission Limit Values	
pH	6-8.5 pH Units	
Temperature	25°C	
	Daily Concentration (mg/l)	Daily Load (kg/day)
BOD	20	3.4
COD	125	21.25
Suspended Solids	35	5.95
Total Nitrogen (as N)	10	1.7
Ammonia (as N)	0.5	0.085
Total Phosphorus (as P)	1	0.17
Chloride	350	59.5
Sulphate	100	17
Cyanide	0.01	0.0017
VOC	0.05	0.0085
Semi VOC	0.05	0.0058
Lead	0.005	0.0009
Zinc	0.1	0.017
Copper	0.03	0.0051
Cadmium (Total)	0.005	0.0009
Arsenic (Total)	0.02	0.0034
Chromium	0.015	0.0026
Nickel	0.025	0.0043
Faecal Coliforms	<250 FC/100 mls	

Frequency of Monitoring Process Effluent to Sewer

Schedule C

Emission Point Reference No.:

SE-1

Parameter	Monitoring Frequency (Note 1 +2)	Analysis Method/Technique
Flow to sewer	Continuous	In line Flow meter with recorder
Temperature	Continuous	Temperature Probe with recorder
pH	Continuous	pH meter with recorder
Chemical Oxygen Demand	Weekly	Standard Method
Biochemical Oxygen Demand	Monthly	Standard Method
Suspended Solids	Weekly	Standard Method
Total Nitrogen	Quarterly	Standard Method
Sulphate	Quarterly	Standard Method
Chloride	Quarterly	Standard Method
Total Phosphorous	Quarterly	Standard Method
Ammonia	Quarterly	Standard Method
Cyanide	Biannually	Standard Method
Mercury	Biannually	Standard Method
VOC	Quarterly	Standard Method
Semi VOC	Quarterly	Standard Method
Metal suite	Annually	AA/ICP
Faecal coliforms	Quarterly	Standard Methods
Respirometry	As requested	Standard Method

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.

Control of Emissions to Sewer

Control Parameter	Monitoring	Key Equipment
pH	Continuous Monitoring	pH Probe with recorder
Temperature	Continuous Monitoring	Temperature Probe with recorder
Flow	Continuous Monitoring	Flow meter with recorder
Effluent pH	Continuous Monitoring	pH Probe with recorder
Neutralisation	Continuous pH monitoring	Caustic soda dosing pump Condensate feed pump with low level detection
Urea dosing		IBC level sensor Urea dosing pump
Anoxic zone		Submersible mixer
Blowers		Pressure switch Temperature switch
MBR tank (membrane filtration)		Level probe Level sensor Flow meter
Final permeate pumping		Submersible pump
Fats, oil and grease removal	Fats, oil and grease content in trade effluent as a result of canteen activities	Grease removal equipment

Note 1: Grease removal equipment shall comply with the requirements of European Standards (EN) or Plumbing and Drainage Institute (PDI) standards or as otherwise specified by Irish Water.

Signed on behalf of



Date 15/1/15