

IRISH WATER RESPONSE

Irish Water
Colvill House
24/26 Talbot Street
Dublin 1

Name of Facility: Architectural & Metals Systems Limited

Reg. No: P1117-01

Location Address: Wallingstown Industrial Estate, Little Island, Co. Cork. T45 VP 40

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

Where consent is granted, indicate Yes or No to the following:

The sewer, to which this consent relates, is vested or controlled by Irish Water.	Yes
Does the consent constitute a material change with respect to the associated waste water discharge authorisation?	No

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

GENERAL 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 a material change or increase in:</p> <ul style="list-style-type: none"> i. the nature or quantity of any emission; ii. the abatement/treatment or recovery systems; iii. the range of processes to be carried out; iv. the fuels, raw materials, intermediates, products or wastes generated, or <p>any changes in:</p>	Yes

<p>site management, infrastructure or control with adverse environmental significance;</p> <p>shall be carried out or commenced without prior notice to, and without the agreement of, the Agency.</p>	
<p>2. The licensee shall maintain and implement a Schedule of Environmental Objectives and Targets. The Schedule shall, as a minimum, 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 water runoff from 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.</p>	Yes
<p>3. The licensee shall establish, maintain and implement a detailed programme for maintenance of all plant and equipment based on the instructions issued by the manufacturer/supplier or installer of the equipment.</p>	Yes
<p>4. Silt Traps and Oil Separators The Licensee shall, within six months of date of grant of this licence Install and maintain silt traps and oil separators at the facility/installation:</p> <ul style="list-style-type: none"> ○ 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; ○ 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>> <p>The silt traps and separator shall be in accordance with I.S. EN-858-2: 2003 (separator systems for light liquids).</p>	No
<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"> ○ Sampling and analysis shall be undertaken by competent staff in accordance with documented operating procedures. ○ Such procedures shall be subject to a programme of Analytical Quality Control using appropriate control standards with evaluation of test responses. 	Yes

<ul style="list-style-type: none"> Where any analysis is sub-contracted it shall be outsourced to a competent laboratory. 	
8. Monitoring and analysis equipment shall be installed, operated and maintained as necessary, so that all monitoring accurately reflects the emission/discharge.	Yes
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.	Yes
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 is to be made on demand from Irish Water .	Yes
<p>11. The licensee shall ensure that any trade effluent generated from canteen activities 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></p> <p>Note: Grease removal equipment shall comply with EN or PDI standards or as otherwise specified by Irish Water.</p>	Yes
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.	Yes
13. The licensee shall conclude an End User Agreement with Irish Water.	Yes

<div>ADDITIONAL RECOMMENDED CONDITIONS</div> <div>In respect of discharges or emissions to sewers, in accordance with Section 99E of the Environmental Protection Agency Act 1992, as amended.</div> <div>(Specify, if required)</div>

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Limit Values for Process Effluent to Sewer***Schedule B: Emission Limits***Emission Point Reference No.: **TE1**

Location: Trade Effluent Monitoring Point_E174908 N071215

Volume of Trade effluent emitted: Maximum in any one day: 350m³
 Maximum in any hour: 30m³
 Flow rate: 9 l/s

Parameter	Emission Limit Values	
pH	6-10 pH Units	
Temperature	30°C	
Toxicity	10 T.U.'s	
	Daily Concentration (mg/l)	Daily Load (kg/day)
BOD, 5 days with Inhibition (Carbonaceous BOD)	250	87.5
COD-Cr	500	175
Suspended Solids	200	70
Chloride	1200	420
Sulphate	1000	350
Zinc - filtered	0.5	0.175
Nickel - filtered	0.5	0.175
Lead - filtered	0.005	0.002
Chromium - filtered	0.5	0.175
Cadmium - filtered	0.005	0.002
Copper - filtered	0.5	0.175
Mercury - filtered	0.001	0.001
Selenium - filtered	1.5	0.525
Silver- filtered	2	0.7

Frequency of Monitoring Process Effluent to Sewer

Schedule C

Emission Point Reference No.:

TE1

Parameter	Monitoring Frequency (Note 1 +2)	Analysis Method/Technique
Flow to sewer	Continuous	Flow meter
Temperature	Continuous	Temperature Probe
pH	Continuous	pH meter
BOD, 5 days with Inhibition (Carbonaceous BOD)	Monthly	Standard Methods
COD-Cr	Monthly	Standard Methods
Suspended Solids	Monthly	Standard Methods
Chloride	Monthly	Standard Methods
Sulphate	Monthly	Standard Methods
Zinc - filtered	Monthly	Standard Methods
Nickel - filtered	Monthly	Standard Methods
Lead - filtered	Monthly	Standard Methods
Chromium - filtered	Monthly	Standard Methods
Cadmium - filtered	Monthly	Standard Methods
Copper - filtered	Monthly	Standard Methods
Mercury - filtered	Monthly	Standard Methods
Selenium - filtered	Monthly	Standard Methods
Silver - filtered	Monthly	Standard Methods
Total Heavy Metals	Annually	Standard methods
Toxicity	As Requested	Standard Methods
Respirometry	As Requested	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

Control of Emissions to Sewer**Description of treatment:**

Control Parameter	Monitoring	Key Equipment
pH	Continuous Monitoring	Continuous monitoring and pH control dosing
Fats, Oils & Greases	Continuous Monitoring	Grease removal equipment shall comply with EN or PDI standards or as otherwise specified by Irish Water

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Yours Sincerely

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Date: 29/4/2021

Authorised Signatory