CONSENT TO DISCHARGE TRADE WASTE TO THE PUBLIC SEWER

Pursuant to the Hauraki District Council Trade Waste and Wastewater Bylaw 2015

FORM: M3059495

CONSENT HOLDER TRADE NAME:				
PHYSICAL ADDRESS OF TRADE PREMISES:				
PHONE:	LANDLINE:		MOBILE:	
EMAIL:				
ADDRESS FOR CHARGING AND SERVICE OF DOCUMENTS				
TRADE ACTIVITY				

In response to, and in terms of, the information declared in your application of [enter date] to discharge Trade Waste from the above premises, the consent of the Council is hereby given for the term and subject to the conditions set out below:

1. That this consent relates to a proposed new discharge/an existing non-consented discharge/ renewal of a consent/variation to an existing consent.
2. That this is a permitted conditional consent.
3. That the provisions of the Hauraki District Council Trade Waste and Wastewater Bylaw 2015 are complied with at all times.
4. That this consent is valid for a period of years and will expire on
5. That the Trade Waste discharged under this consent shall consist only of wastes from the following processes:
6. That this consent is subject to the specific conditions set out in Schedule 1A which is attached.

For and on behalf of the Hauraki District Council

NAME OF AUTHORISED OFFICER:	
SIGNATURE	
DATE:	

FOR OFFICE USE ONLY			
Application No.			
Consent No		Document No:	

File path: HDC/Waste Water/Trade Waste Agreements

Schedule 1A: Permitted discharge characteristics

Hauraki District Council Trade Waste and Waste Water Bylaw 2015

1A.1 Introduction

1A.1.1

The nature and levels of the characteristics of any trade waste discharged to the Council's system shall comply at all times with the following requirements, except where the nature and levels of such characteristics are varied by the Council as part of a consented approval to discharge a trade waste or a trade waste agreement.

1A.1.2

The Council shall take into consideration the combined effects of trade waste discharges and may make any modifications to the following acceptable characteristics for individual discharges the Council believes are appropriate.

1A.1.3

An additional column in tables 1A.1, 1A.2, 1A.3 and 1A.4 for mass limits may be added as required.

1A.1.4

The nature and levels of any Characteristic may be varied to meet any new resource consents or other legal requirements imposed on the Council, refer to clause 3.4.15 of this bylaw.

1A.2 Physical characteristics

For more detailed commentary on these limits see NZS 9201: Part 23:2004.

1A.2.1 Flow

(a) The 24 hour flow volume shall be less than 5 m^3.

(b) The maximum instantaneous flow rate shall be less than 2.0 L/s.

1A.2.2 Temperature

The temperature shall not exceed 40 °C.

1A.2.3 Solids

(a) Non-faecal gross solids shall have a maximum dimension which shall not exceed 15 mm.

(b) The suspended solids content of any trade waste shall have a maximum concentration which shall not exceed 2000 g/m^3. For significant industry this may be reduced to 600 g/m^3.

(c) The settleable solids content of any trade waste shall not exceed 50 (g/m^3).

(d) The total dissolved solids concentration in any trade waste shall be subject to the approval of the Council having regard to the volume of the waste to be discharged, and the suitability of the drainage system and the treatment plant to accept such waste.

(e) Fibrous, woven, or sheet film or any other materials which may adversely interfere with the free flow of sewage in the drainage system or treatment plant shall not be present.

1A.2.4 Oil and grease

(a) There shall be no free or floating layer.

(b) A trade waste with mineral oil, fat or grease unavoidably emulsified, which in the opinion of the Council is not biodegradable shall not exceed 200 g/m^3 as petroleum ether extractable matter when the emulsion is stable at a temperature of 15 °C and when the emulsion is in contact with and diluted by a factor of 10 by raw sewage, throughout the range of pH 6.0 to pH 10.0.

(c) A trade waste with oil, fat or grease unavoidably emulsified, which in the opinion of the

Council is biodegradable shall not exceed 500 g/m^3 when the emulsion is stable at a temperature of 15 °C and when the emulsion is in contact with and diluted by a factor of 10 by raw sewage throughout the range of pH 4.5 to pH 10.0.

(d) Emulsified oil, fat or grease shall not exceed 100 g/m^3 as petroleum ether extractable matter when the emulsion is unstable at a temperature of 15 °C and when the emulsion is in contact with and diluted by a factor of 10 by raw sewage throughout the range of pH 4.5 to pH 10.0.

1A.2.5 Solvents and other organic liquids

There shall be no free layer (whether floating or settled) of solvents or organic liquids.

1A.2.6 Emulsions of paint, latex, adhesive, rubber, plastic

(a) Where such emulsions are not treatable these may be discharged into the public sewer subject to the total suspended solids not exceeding 1000 g/m^3 or the concentration agreed with the Council.

(b) The Council may determine that the need exists for pre-treatment of such emulsions if they consider that trade waste containing emulsions unreasonably interferes with the operation of the Council treatment plant e.g. reduces % UVT (ultra violet transmission).

(c) Such emulsions of both treatable and non-treatable types, shall be discharged to the public sewer only at a concentration and pH range that prevents coagulation and blockage at the mixing zone in the public sewer.

1A.2.7 Radioactivity

Radioactivity levels shall not exceed the Office of Radiation Safety's Office of Radiation Safety Code of Practice CSP1 for the Use of Unsealed Radioactive Material.

1A.2.8 Colour

No waste shall have colour or colouring substance that causes the discharge to be coloured to the extent that it impairs wastewater treatment processes or compromises the treated sewage discharge consent.

1A.3 Chemical characteristics

1A.3.1 pH value

The pH shall be between 6.0 and 10.0 at all times.

1A.3.2 Organic strength

1A.3.2.1

The Biochemical Oxygen Demand (BOD_5) of any waste may require to be restricted where the capacity for receiving and treating BOD_5 is limited. A BOD_5 restriction may be related to mass limits.

BOD_5 shall not exceed 1000 g/m^3. For significant industry this may be reduced to 600 g/m^3.

NOTE – For biological process inhibiting compounds see schedule 3(b) for the *Guidelines for Sewerage Systems: Acceptance of trade wastes (industrial waste)*

1A.3.3 Maximum concentrations

The Maximum Concentrations permissible for the chemical characteristics of an acceptable discharge are set out in table 1A.1, table 1A.2, table 1A.3 and table 1A.4.

Table 1A.1 – General chemical characteristics

Characteristic	Maximum concentration (g/m3)
MBAS (Methylene blue active substances	500
Ammonia (measured as N) - free ammonia - ammonium salts	 50 200
Kjeldahl nitrogen	250
Total phosphorus (as P)	50
Sulphate (measured as SO_4)	500
Sulphite (measured as SO_2)	15
Sulphide – as H_2S on acidification	5
Chlorine (measured as Cl_2) - free chlorine - hypochlorite	 3 30
Dissolved aluminium	100
Dissolved iron	100
Boron (as B)	25
Bromine (as Br_2)	5
Fluoride (as F)	30
Cyanide – weak acid dissociable (as CN)	1

Table 1A.2 – Heavy metals

(Mass limits may be imposed, refer to clause 3.5.2 of the Hauraki District Council Trade Waste and Waste Water Bylaw 2015)

Metal	Maximum concentration (g/m^3)	Metal	Maximum concentration (g/m^3)
Antimony	10	Manganese	20
Arsenic	5	Mercury	0.05
Barium	10	Molybdenum	10
Beryllium	0.005	Nickel	10
Cadmium	0.5	Selenium	10
Chromium	5	Silver	2
Cobalt	10	Thallium	10
Copper	10	Tin	20
Lead	5	Zinc	10

Table 1A.3 – Organic compounds and pesticides

(Mass limits may be imposed, refer to clause 3.5.2 of the Hauraki District Council Trade Waste and Waste Water Bylaw 2015)

Compound	**Maximum concentration (g/m^3)**
Formaldehyde (as HCHO)	50
Phenolic compounds (as phenois) excluding chlorinated phenois	50
Chlorinated phenois	0.02
Petroleum hydrocarbons	30
Halogenated aliphatic compounds	1
Monocyclic aromatic hydrocarbons	5
Polycyclic (or polynuclear) aromatic hydrocarbons (PAHs)	0.05
Halogenated aromatic hydrocarbons (HAHs)	0.002
Polychlorinated biphenyls (PCBs)	0.002
Polybrominated biphenyls (PBBs)	0.002 each
Pesticides (general) (includes insecticides, herbicides, fungicides and excludes organophosphate, organochlorine and any pesticides not registered for use in New Zealand)	0.2 in total
Organophosphate pesticides`	0.1

Table 1A.4 – Liquid pharmaceutical waste including Liquid antibiotics

(Mass limits may be imposed, refer to clause 3.5.2 of the Hauraki District Council Trade Waste and Waste Water Bylaw 2015)

Volume limit	**Active concentration**
10 Litres	125 mg / 5 ml
5 Litres	250 mg / 5 ml
3 Litres	Above 250 mg / 5ml