

Trade waste discharged to the WDC piped sewerage reticulation system has the potential to seriously damage the effectiveness of the treatment and safe discharge of treated sanitary waste water. Waitomo District Council must protect the ratepayer's interest and investment in its wastewater reticulation infrastructure, the safe operation of the waste water treatment plant, and the impact on the environment from the discharge of treated waste water and to ensure resource consent conditions are fully met. WDC seeks the help of owners and occupiers of any premise that is used or intended to be used for an industrial or trade undertaking. The objective is to ensure that any trade waste introduced into the sewerage reticulation system can be accepted for disposal and can be safely treated.

The Trade Waste Bylaw provides that trade waste discharges must be classified into 1 of 5 possible categories for the purposes of a Trade Waste Consent namely; Permitted, Conditional, Controlled and Prohibited. It is also possible that a trade or industrial business might be classified as being part of the Exempt category. Usually Garages and Workshops fall into the Permitted Discharge category. This means that a discharge of trade waste to the sewerage reticulation system can be consented to by WDC as long as the physical and chemical characteristics of the trade waste comply with the standard defined in Schedule 1A of the Trade Waste Bylaw.

*The following information has been extracted from the Trade Waste Bylaw in order to provide a reference for Garage and Workshop Businesses, of the requirements for Permitted discharge characteristics. Please refer to the Trade Waste Bylaw for the complete Schedule 1A.*

## Compliance with the Trade Waste Bylaw

All persons working on a Garage or Workshop premises must take all precautions to prevent the accidental leakage, spillage or other mishap of products that contain corrosive, toxic, biocidal, radioactive, flammable or explosive materials; from entering into the piped sewerage reticulation system.

### Pre-treatment Systems

Garage or Workshop Businesses must provide, operate and maintain appropriate Pre-treatment systems to comply with the Bylaw. All Pre-treatment systems **must be approved by WDC** prior to being installed. Examples of Pre-treatments used in dealing with oily waste are; oil and grit interceptors, diversion valves, bunding and roofing of wash down areas.

### Permitted Discharge Characteristics

The type and level of the characteristics of any Trade Waste discharged to WDC's sewerage reticulation system must comply at all times with the requirements contained in the Trade Waste Bylaw.

### **The following are some of the Physical characteristics contained in the Bylaw, that are relevant to Garage and Workshop Businesses:**

(Please refer to Schedule 1A of the Trade Waste Bylaw for complete list of Physical Characteristics)

#### **Flow:**

1. The 24 hour flow volume shall be less than 5m<sup>3</sup>.
2. The maximum instantaneous flow rate shall be less than 2.0 litres per second.

#### **Temperature:**

1. The temperature of the trade waste to be discharged shall not exceed 40°C.

#### **Solids:**

1. Non-faecal gross solids shall have a maximum dimension which must not be greater than 15mm.
2. Fibrous, woven or any other materials which may adversely interfere with the free flow of Sewerage in the drainage system or treatment plant must not be present.

#### **Oil and grease:**

1. There shall be no free or floating layer of oil or grease.
2. The solids content of any Trade Waste that is settle-able must not exceed 50 millilitres per litre.

#### **Solvents and other organic liquids:**

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

### Emulsions of paint, latex, adhesive, rubber or plastic:

1. Emulsions that are not treated, can be discharged into the Sewer subject to the total suspended solids do not exceed 1000 grams per m<sup>3</sup> or the concentration agreed with the Waitomo District Council.
2. The Waitomo District 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.
3. Emulsions that are both treatable and non-treatable types shall be discharged to the Sewer only at a concentration and pH range that prevents coagulation and blockage at the mixing zone in the public sewer.

### Chemicals, Heavy Metals and organic compounds:

**The following are some of the chemical, heavy metal and organic compounds and pesticide characteristics and their associated Maximum concentration that are relevant to Garage and Workshop Businesses:**

(Please refer to Schedule 1A of the Trade Waste Bylaw for complete list of characteristics)

Characteristic	Maximum concentration (grams/ m <sup>3</sup> )
Ammonia (measured as N) - free ammonia - ammonium salts	50 200
Dissolved iron	100
MBAS (Methylene blue active substances)	500
Chlorine (measured as Cl <sub>2</sub> ) - free chlorine - ammonium salts	3 30
Dissolved aluminium	100
Copper	10
Lead	10
Zinc	10
Manganese	20
Mercury	0.05
Petroleum hydrocarbons	30
Phenolic compounds (as phenols) excluding chlorinated phenols	50
Formaldehyde (as HCHO)	50

For more information regarding Trade Waste, contact the Waitomo District Council on  
FREE PHONE 0800 932 4357.