



Trade Waste Bylaw 2006

(Reviewed 2011)

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1.0 INTRODUCTION

This bylaw regulates the discharge of Trade Waste to a Sewerage System operated by the Council.

1.1 Commencement and application

This bylaw came into force on 1 July 2006.

1.2 Scope of the bylaw

1.2.1 The bylaw provides for the:

- a) Acceptance of long-term, intermittent, or Temporary Discharge of Trade Waste to the Sewerage System;
- b) Establishment of **five** grades of Trade Waste: **Exempted**, Permitted, Conditional, **Controlled** and Prohibited;
- c) Evaluation of individual Trade Waste discharges to be against specified criteria;
- d) Correct storage of materials in order to protect the Sewerage System from spillage;
- e) Installation of flow meters, samplers or other devices to measure flow and quality of the Trade Waste discharge;
- f) Pre-treatment of waste before it is accepted for discharge to the Sewerage System;
- g) Sampling and monitoring of Trade Waste discharges to ensure compliance with the bylaw;
- h) **Inspection of points on a property from where Trade Waste is or could be discharged;**
- i) Council to accept or refuse a Trade Waste discharge;
- j) Charges to be set to cover the cost of conveying, treating and disposing of, or reusing, Trade Waste and the associated costs of administration and monitoring;
- k) Administrative mechanisms for the operation of the bylaw; and
- l) Establishment of waste minimisation and management programmes (including sludge's) for Trade Waste producers.

1.2.2 Compliance with other Acts

Nothing in this bylaw shall derogate from any of the provisions of the Health Act, the Health and Safety in Employment Act, the Resource Management Act, the

Building Act, the Hazardous Substances and New Organisms Act and its regulations or any other relevant statutory or regulatory requirements. In the event of any inconsistency between legislation the more stringent requirement applies.

1.2.3 Trade premises and other users to which the bylaw applies

This bylaw shall apply to all Trade Premises within the Waitomo District where **wastes classified as trade wastes as defined in this Bylaw**, are discharged or sought or likely to be discharged to the Sewerage System operated by the Council or its agents. The bylaw shall also apply to Tankered Wastes collected for the purpose of discharge to the Sewerage Systems operated by the Council or its agents.

Pursuant to s. 196 of the Local Government Act the Council may refuse to consent to the discharge of any type of Trade Waste which is not in accordance with this bylaw.

1.2.4 Forms

Notwithstanding the references to the forms set out in Appendices A - D the Council may from time to time vary those forms to meet the requirements of this bylaw.

1.3 Referenced documents

All documents referenced in this Bylaw are listed in Appendix F.

1.4 Definitions

For the purposes of this Bylaw the following definitions shall apply:

ACCESS POINT is a place where access may be made to a Private Drain for inspection (including sampling or measurement), cleaning or maintenance. The location of the Access Point shall be in accordance with the New Zealand Building Code.

ANALYST means a testing laboratory Approved in writing by an Authorised Officer on behalf of the Council.

APPROVAL or **APPROVED** means Approval or Approved in writing by the Council, either by resolution of the Council or by an Authorised Officer.

AUTHORISED OFFICER means any officer appointed by the Council as an enforcement officer under s. 177 of the Local Government Act 2002 as an enforcement officer with powers of entry as prescribed by sections 171-174 or any officer authorised under section 174 of the Local Government Act 2002.

BIOSOLIDS means Sewage Sludge derived from a Sewage treatment plant that has been treated and/or stabilised to the extent that it is able to be safely and beneficially applied to land and does not include products derived solely from industrial wastewater treatment plants. The term Biosolid/Biosolids is used

generically throughout this document to include products containing Biosolids (e.g. composts).

CHARACTERISTIC means any of the physical or chemical Characteristics of a Trade Waste and may include the level of a characteristic.

CLEANER PRODUCTION means the implementation on Trade Premises, of effective operations, methods and processes appropriate to the goal of reducing or eliminating the quantity and toxicity of wastes. This is required to minimise and manage Trade Waste by:

- a) Using energy and resources efficiently, avoiding or reducing the amount of wastes produced;
- b) Producing environmentally sound products and services; and
- c) Achieving less waste, fewer costs and higher profits.

CONDENSING WATER or COOLING WATER means any water used in any trade, industry, or commercial process or operation in such a manner that it does not take up matter into solution or suspension.

CONDITIONAL TRADE WASTE means Trade Waste which has conditions placed upon the Consent Holder by the Council.

CONSENT means a Consent in writing given by the Council and signed by an Authorised Officer authorising a Person to discharge Trade Wastes to the Sewerage System.

CONSENT HOLDER means the Person who has obtained a Consent to discharge or direct the manner of discharge of Trade Waste from any Premises to the Council's Sewerage System, and includes any Person who does any act on behalf or with the express or implied Consent of the Consent Holder (whether for reward or not) and any licensee of the Consent Holder.

CONTAMINANT includes any substance (including gases, odorous compounds, liquids, solids and micro-organisms) or energy (excluding noise) or heat, that either by itself or in combination with the same, similar, or other substances, energy or heat –

- a) When discharged into water, changes or is likely to change the physical, chemical, or biological condition of water; or
- b) When discharged onto or into land or into air, changes or is likely to change the physical, chemical, or biological condition of the land or air onto or into which it is discharged.

CONTINGENCY MANAGEMENT PROCEDURES means those procedures developed and used to avoid, remedy, or mitigate the actual and/or potential adverse effects of these activities on the environment from an unexpected or unscheduled event resulting in discharge, or potential discharge of Contaminants of concern into the Sewerage System.

CONTROLLED CONSENT means a trade wastes discharge consent for situations involving high loads and/or volumes that require pre-treatment, control parameters and a high degree of monitoring.

DISCONNECTION means the physical cutting and sealing of any of the Wastewater Authority's water services, utilities, drains or Sewer for use by any Person.

DOMESTIC SEWAGE means Foul Water (with or without matter in solution or suspension therein) discharged from Premises used solely for residential purposes, or wastes of the same character discharged from other Premises; but does not include any solids, liquids, or gases that may not lawfully be discharged into the Sewerage System and may include geothermal water.

EXEMPTED CONSENT means trade wastes that have been determined by Council not to require consent.

FOUL WATER means the discharge from any sanitary fixtures (any fixture which is intended to be used for sanitation – the term used to describe activities of washing and/or excretion carried out in a manner or condition such that the effect on health is minimized, with regard to dirt and infection) or sanitary appliance (an appliance which is intended to be used for sanitation which is not a sanitary fixture – included are machines for washing dishes and clothes).

HAZARDOUS WASTES mean hazardous substances as defined by the Hazardous Substances and New Organisms Act 1996 **and any amendments.**

HEAVY Metals are metals of high atomic weight which in high concentrations can exert a toxic effect and may accumulate in the environment and the food chain i.e. Mercury, Lead, Chromium, Arsenic, Nickel, Zinc, and Cadmium.

INFRINGEMENT means an offence specified as such in regulations made under section 259(a) of the Local Government Act 2002 **and any amendments.**

LONG TERM PLAN (LTP) means a long term plan adopted under s. 93 of the Local Government Act 2002 **and any amendments.**

MANAGEMENT PLAN means the plan for management of operations on the Premises from which Trade Wastes come, and may include provision for Cleaner Production, waste minimization, discharge, Contingency Management Procedures, and any relevant industry Code of Practice.

MASS LIMIT means the total mass of any characteristic that may be discharged to the Wastewater Authority Sewerage System over any stated period from any single Point of Discharge or collectively from several points of discharge.

MAXIMUM CONCENTRATION means the instantaneous peak concentration that may be discharged at any instant in time.

OCCUPIER means the Person occupying Trade Premises connected to the Sewerage System.

PERMITTED DISCHARGE means a Trade Waste discharge that has been approved by, or is acceptable to, the Council and as long as it has the physical and chemical Characteristics which comply with the requirements of the Council standard as defined in Schedule 1A of this bylaw.

POINT OF DISCHARGE is the boundary between the public Sewer and a Private Drain but for the purposes of monitoring, sampling and testing, shall be as designated in the Trade Waste Consent.

PRE-TREATMENT means any processing of Trade Waste designed to reduce or vary any characteristic in a waste before discharge to the Sewerage System in order to comply with a Trade Waste Consent.

PRIVATE DRAIN means that section of drain between the Premises and the point of connection to the Council's Sewerage System.

PROHIBITED TRADE WASTES means a Trade Waste that has prohibited Characteristics as defined in Schedule 1D and does not meet the conditions of Schedule 1A. The waste is not acceptable for discharge into the Council's system.

SCHEDULE OF RATES AND CHARGES means the list of items, terms and prices for services associated with the discharge of Trade Waste as adopted and approved by the Council.

SEWAGE means Foul Water and may include Trade Wastes.

SEWAGE SLUDGE means the material settled out and removed from Sewage during the treatment process.

SEWER means the pipework drainage system that conveys Sewage.

SEWERAGE SYSTEM means the collection, treatment and disposal of Sewage and Trade Wastes, including all sewers, pumping stations, storage tanks, Sewage Treatment Plants, outfalls, and other related structures operated by the Council and used for the reception, treatment and disposal of Trade Wastes.

SIGNIFICANT INDUSTRY is a term to indicate the relative size of a given industry compared to the capacity of the Sewerage System (including Sewage treatment plant) which services that industry. Industry size relates to volume and/or loads discharging into the Sewerage System. Loads can be the conventional loadings of BOD5 and SS or some other particular Contaminant (e.g. boron, chromium) which will have an effect or the propensity to have an effect on the sizing of the Sewerage System, the on-going system operation and/or the quality of the treated effluent that is discharged.

STORMWATER means surface water run-off resulting from precipitation.

SURFACTANTS; Anionic surfactants are the key active ingredient of detergents, soaps, emulsifiers, wetting agents and penetrants.

TANKERED WASTE is water or other liquid, including waste matter in solution or

suspension, which is conveyed by vehicle for disposal, excluding Domestic Sewage discharged directly from house buses, caravans, buses and similar vehicles.

TEMPORARY DISCHARGE means any discharge of an intermittent or short duration. Such discharges include the short-term discharge of an unusual waste from Premises subject to an existing Consent.

TRADE PREMISES means:

- a) Any Premises used or intended to be used for any industrial or trade purpose;
- b) Any Premises used or intended to be used for the storage, transfer, treatment, or disposal of waste materials, **including a Special Discharge**, or for other waste management purposes, or used for composting organic materials;
- c) Any other Premises from which a Contaminant is discharged in connection with any industrial or trade process;
- d) Any other Premises discharging other than Domestic Sewage;

and includes any land or Premises wholly or mainly used for agricultural or horticultural purposes.

TRADE WASTE is any liquid, with or without matter in suspension or solution, that is or may be discharged from a Trade Premises to the Council's Sewerage System in the course of any trade or industrial process or operation, or in the course of any activity or operation of a like nature; and may include Condensing or Cooling waters; Stormwater, or Domestic Sewage which cannot be practically separated.

WORKING DAY means any day of the week other than:

- a) A Saturday, a Sunday, Waitangi Day, Good Friday, Easter Monday, Anzac Day, the Sovereign's birthday, Labour Day;
- b) A day in the period commencing with the 25th day of December in a year and ending with the 2nd day of January in the following year;
- c) If 1 January falls on a Friday, the following Monday; and
- d) If 1 January falls on a Saturday, the following Monday and Tuesday.

1.5 Abbreviations

\$/kg	dollars per kilogram
\$/L/s	dollars per litre per second
\$/m ³	dollars per cubic metre
°C	degrees Celsius
ANZECC	Australian New Zealand Environment and Conservation Council
B	boron

BOD₅ biochemical oxygen demand
 Br₂ bromine
 CBOD₅ carbonaceous biochemical oxygen demand
 Cl₂ chlorine
 CN cyani de
 COD chemical oxygen demand
 DAF dissolved air floatation
 DP deposited plan
 DS dry solids
 F fluoride
 FOGs fats, oils and greases
 g/m³ grams per cubic metre
 GST goods and services tax
 H₂S hydrogen sulphide
 HAHs halogenated aromatic hydrocarbons
 HCHO formaldehyde
 HCN hydrogen cyanide
 hr hour
 HSNO Hazardous Substances and New Organisms Act
 kg/day kilogram per day
 L litre
 L/s litre per second
 LGA Local Government Act 2002
 LTP Long Term Plan
 m³ cubic metre
 max. maximum
 MBAS methylene blue active substances
 MfE Ministry for the Environment
 mg/L milligram per litre
 mL/L millilitre per litre
 mm millimetres
 MSDS material safety data sheets
 N nitrogen
 NH₃ ammonia
 NH₃-N ammoniacal nitrogen
 P phosphorus
 PAHs polycyclic (or polynuclear) aromatic hydrocarbons
 PBBs polybrominated biphenyls
 PCBs polychlorinated biphenyls
 pH measure of acidity/alkalinity
 RMA Resource Management Act 1991
 s second
 s. section
 s. s sections
 SBR sequencing batch reactor
 SO₄ sulphate
 SS suspended solids concentration
 TAs territorial authorities

TN	total nitrogen
TP	total phosphorous
TSS	total suspended solids
UV ultra	violet
UVT	ultra violet transmission (transmissivity)
WC water	closet

2.0 COMPLIANCE WITH THE BYLAW

2.1 Control of discharges

2.1.1 No Person shall:

- a) Discharge, or allow to be discharged, any Trade Waste to the Sewerage System except in accordance with the provisions of this bylaw; or
- b) Discharge, or allow to be discharged, a Prohibited Trade Waste into the Sewerage System; or
- c) Add or permit the addition of Condensing or Cooling Water to any Trade Waste which discharges into the Sewerage System unless specific Approval is given in a Consent; or
- d) Add or permit the addition of Stormwater to any Trade Waste which discharges into the Sewerage System unless specific Approval is given in a Consent.

2.1.2 In the event of failure to comply with 2.1.1 (a) – (d) and it is considered necessary to respond appropriately to a situation that may be a nuisance or danger to public health, the Council may physically prevent discharge to the Sewerage System if a reasonable alternative action cannot be established with the discharging party or parties.

2.2 Storage, transport, handling and use of hazardous or harmful materials

- a) All Persons on Trade Premises shall take all reasonable steps to prevent the accidental entry of any of the materials listed in 2.2(c) of this bylaw from entry into the Sewerage System as a result of leakage, spillage or other mishap.
- b) No Person shall store, transport, handle or use, or cause to be stored, transported, handled or used any hazardous substance as defined by HSNO or any of the materials listed in 2.2(c) in a manner that may cause the material to enter the Sewerage System and cause harmful effects.
- c) Materials referred to in 2.2(a) and (b) are those:
 - i) Products or wastes containing corrosive, toxic, biocidal,

- ii) radioactive, flammable or explosive materials;
- ii) Likely to generate toxic, flammable, explosive or corrosive materials in quantities likely to be hazardous, when mixed with the wastewater stream; and/or
- iii) Likely to be deleterious to the health and safety of the Council's staff, Approved contractors and the public or be harmful to the Sewerage System **and or treatment processes**.

3.0 TRADE WASTE DISCHARGES AND CONSENTS

3.1 Classification of trade waste discharges

3.1.1 Trade Waste discharges shall be classified as one of the following types:

- a) **Exempted**
- b) Permitted Discharge
- c) Conditional Trade Waste (Consent required);
- d) **Controlled Trade Waste Consent**
- e) Prohibited Trade Waste (not Consentable).

NOTE – See the definitions in 1.4.

3.1.2 The Council is not obliged to accept any Trade Waste. No application for a Trade Waste Consent shall be approved where the Trade Waste discharge would contain, or is likely to contain, Characteristics which are Prohibited.

3.1.3 No Person shall discharge, or cause to be discharged, any Trade Waste to the Council Sewer except in accordance with the provisions of this bylaw.

3.2 Application for a trade waste consent

3.2.1 Formal application

Every Person who does, propose to, or is likely to do any of the following must apply to the Council for a Trade Waste Consent:

- a) Discharge into the Sewerage System any Trade Waste (either continuously, intermittently or temporarily); or
- b) Vary the Characteristics of a Consent to discharge that has previously been granted; or
- c) Vary the conditions of Consent to discharge that has previously been granted; or
- d) Significantly change the method or means of Pre-treatment for discharge under an existing Consent, shall if required by the Council

complete an application on the prescribed form for the Consent of the Council (see Appendix B), to modify the discharge of that Trade Waste, or to apply for the proposed variations.

- 3.2.2 The Council reserves the right to require the owner as well as the Occupier of any Trade Premises to be party to an application for a Trade Waste Consent.
- 3.2.3 Where the Trade Premises produces Trade Waste from more than one area, a separate copy of the "Description of Trade Waste and Premises" (section 3 of Appendix B) shall be included in any application for Trade Waste discharge for each area. This applies whether or not the separate areas are part of a single or separate trade process.
- 3.2.4 The applicant shall ensure that the application and every other document conveying required information is properly executed and any act done for or on behalf of the eventual Consent Holder (whether for reward or not), in making any such application, shall be deemed to be an act of the Consent Holder.
- 3.2.5 The Council may require an application to be supported by an independent report/statement completed by a suitably experienced and external auditor to verify any or all information supplied by the applicant, and this may include a Management Plan.
- 3.2.6 Every application shall be accompanied by a Trade Waste application fee in accordance with the Council's Schedule of Rates and Charges.

3.3 Processing of an application

- 3.3.1 The Council shall acknowledge the application in writing within 10 Working Days of the receipt of the application.

3.4 Information and analysis

- 3.4.1 On the receipt of any application for a Trade Waste Consent to discharge from any Premises or to alter an existing discharge, the Council may:
 - a) Require the applicant to submit any additional information which it considers necessary to reach an informed decision;
 - b) Require the applicant to submit a Management Plan to the satisfaction of the Council; and/or
 - c) Whenever appropriate have the discharge investigated and analysed as provided for in 5.1 and 5.3 of this bylaw.
- 3.4.2 The Council shall notify the applicant of any requirement under this clause within 10 Working Days of receipt of the application.

3.5 Consideration of an application

Within 20 Working Days (or extended as necessary by the Council) of receipt of an application complying with this bylaw and/or all requirements under 3.4, whichever is the later, the Council shall, after considering the matters in 3.6 action one of the following in writing:

- a) **Exempt the application from the requirement to maintain a Trade Waste consent, subject to conditions.**
- b) Grant the application as a Permitted Trade Waste and inform the applicant of the decision by issuing the appropriate notice;
- c) Grant the application as a Conditional Trade Waste discharge Consent and inform the applicant of the decision and the conditions imposed on the discharge by issuing the appropriate notice of Consent to the discharge; or
- d) **Grant the application as a Controlled Trade Waste discharge Consent and inform the applicant of the decision and the conditions imposed on the discharge by issuing the appropriate notice of Consent to the discharge; or**
- e) Decline the application and notify the applicant of the decision giving a statement of the reasons for refusal.

3.6 Consideration criteria

In considering any application for a Trade Waste Consent to discharge from any Trade Premises or Tankered Waste into the Sewerage System and imposing any conditions on such Consent, **or consider exempting an application from holding a Consent** the Council shall take into account:

- a) The quality, volume, and rate of discharge of the Trade Waste from such Premises or tanker;
- b) The health and safety of Council staff, Council's agents and the public;
- c) The limits and/or maximum values for Characteristics of Trade Waste as specified in Schedules 1A to 1D of this bylaw;
- d) The extent to which the Trade Waste may react with other Trade Waste or Foul Water to produce an undesirable effect, e.g. settlement of solids, production of odours, accelerated corrosion and deterioration of the Sewerage System etc;
- e) The flows and velocities in the Sewer, or Sewers and the material or construction of the Sewer or Sewers;
- f) The capacity of the Sewer or Sewers and the capacity of any Sewage treatment works, and other facilities;
- g) The nature of any Sewage treatment process and the degree to which the Trade Waste is capable of being treated in the Sewage treatment works;
- h) The timing and balancing of flows into the Sewerage System;
- i) Any statutory requirements relating to the discharge of raw or treated wastewater to receiving waters, the disposal of Sewage Sludge's, beneficial use of Biosolids, and any discharge to air, (including the necessity for compliance with any resource consent, discharge permit or water classification);
- j) The effect of the Trade Waste discharge on the ultimate receiving

- environment;
- k) The conditions on resource consents for the Sewerage System and the residuals from it;
 - l) The possibility of unscheduled, unexpected or accidental events and the degree of risk these could cause to humans, the Sewerage System and the environment;
 - m) Consideration for other existing or future discharges;
 - n) Amenability of the Trade Waste to Pre-treatment;
 - o) Existing Pre-treatment works on the Premises and the potential for their future use;
 - p) Cleaner Production techniques and waste minimization practices;
 - q) Requirements and limitations related to Sewage Sludge disposal and reuse;
 - r) Control of Storm water from a trade waste premises;
 - s) Management Plan; and
 - t) Tankered Waste being discharged at an Approved location/s.

3.7 Conditions of Trade Waste Consent

Any Trade Waste Consent to discharge may be granted subject to such conditions that the Council may impose, including but not limited to:

- a) The particular public Sewer or Sewers to which the discharge will be made;
- b) The maximum daily volume of the discharge and the maximum rate of discharge, and the duration of maximum discharge;
- c) The maximum limit or permissible range of any specified Characteristics of the discharge, including concentrations and/or Mass Limits determined in accordance with the classification under 3.8;
- d) The period or periods of the day during which the discharge, or a particular concentration, or volume of discharge may be made;
- e) The degree of acidity, or alkalinity of the discharge at the time of discharge;
- f) The temperature of the Trade Waste at the time of discharge;
- g) The provision and or maintenance by, or for the Consent Holder, at the Consent Holder's expense, of screens, grease traps, silt traps or other Pre-treatment works to control Trade Waste discharge Characteristics to the consented levels;
- h) The provision and maintenance at the Consent Holder's expense of inspection chambers, manholes or other apparatus or devices to provide reasonable access to drains for sampling and inspection;
- i) The provision and maintenance of a sampling, analysis and testing programme and flow measurement requirements, at the Consent Holder's expense;

- j) The method or methods to be used for the measuring of flow rates and/or volume and taking samples of the discharge for use in determining the amount of any Trade Waste charges applicable to that discharge;
- k) The provision and maintenance by, and at the expense of, the Consent Holder of such meters or devices as may be required to measure the volume or flow rate of any Trade Waste being discharged from the Premises, and for the testing and calibration of such meters;
- l) The provision and maintenance, at the Consent Holder's expense of such services, (whether electricity, water or compressed air or otherwise), which may be required, in order to operate meters and other required devices;
- m) At times specified, the provision in a Council Approved format by the Consent Holder to the Council of all flow and/or volume records and results of analyses (including Pre-treatment by-products e.g. Sewage Sludge disposal);
- n) The provision and implementation of a Management Plan;
- o) Risk assessment of damage to the environment due to an accidental discharge of a chemical;
- p) Waste minimization and management;
- q) Cleaner Production techniques;
- r) Remote control of discharges;
- s) Third party treatment, carriage, discharge or disposal of by-products of Pre-treatment of Trade Waste (including Sewage Sludge disposal);
- t) Requirement to provide a bond or insurance in favour of the Council where failure to comply with the Consent could result in damage to the Council's Sewerage System, its treatment plants, or could result in the Council being in breach of any statutory obligation; and
- u) Remote monitoring of discharges.

3.8 Classification

Consents will be classed using such conditions as stated under 3.7 but not limited to it:

a) **Exempted**

Exemption from requiring consent will be granted where the risk of discharge other than equivalent to domestic level discharge is deemed by Council as minimal with the condition that should the situation change in the view of Council the Exemption will become null and void and a new application will be required for assessment at that time, or a review of the current situation carried out every 5 years.

b) **Permitted Consent**

Permitted Consent will be granted where it is deemed by Council

that the discharge will have no significant effect on the waste water system, processes and or the environment but monitoring is required for compliance purposes.

c) **Conditional Consent**

Conditional Consent will be granted where Council deems that devices (like grease traps, oil separators or other devices that mitigate effects) that need to be serviced regularly are required and monitoring is required for compliance purposes.

d) **Controlled Consent**

Controlled Consent will be considered where the discharge, including Special Discharges, contains high loads and/or volumes, is pre-treated and is granted subject to control parameters and a high degree of monitoring.

3.9 Duration

3.9.1 Permitted discharges

Exemptions and Permitted Discharges shall remain in force **five (5) years** or until either:

- a) Cancellation under 2.1.2 or 3.10;
- b) The quantity and nature of the discharge changes significantly. For a temporary discharge see Appendix C;
- c) If in the opinion of the Council the discharge changes or is likely to change to such an extent that it becomes a Conditional, **Controlled** or Prohibited Trade Waste;
- d) The Council changes the Trade Waste management procedures by implementation of changed Trade Waste Bylaw conditions or any amendment to, or replacement of, its Trade Waste Bylaw; or
- e) The conditions on resource consents for the Sewerage System and the residuals from it change.

In all cases, after appropriate consultation, the Person shall apply within 10 Working Days of this change occurring for an appropriate Consent, in accordance with 3.2 of this bylaw. This application shall be approved prior to the occurrence of any new discharge.

3.9.2 Conditional Trade Waste Consents

Subject to **3.11** and **6.1** Conditional Trade Waste Consents under this bylaw shall expire at the end of a term fixed by the Council subject to the following:

- a) Conditional Trade Waste Consents may be given for a term not exceeding five years to a Consent Holder who at the time of application satisfies the Council that:
 - i) The nature of the trade activity, or the process design and/or

- management of the Premises are such that the Consent Holder has a demonstrated ability to meet the conditions of the Consent during its term; and/or
- ii) Cleaner Production techniques are successfully being utilised, or that a responsible investment in Cleaner Production equipment or techniques is being made; and/or
 - iii) Significant investment in Pre-treatment facilities has been made, such that a longer period of certainty for the amortizing of this investment is considered reasonable; and/or
 - iv) The reissuing of a Consent cannot be unreasonably withheld.
- b) Notwithstanding subclause a) above, the Council retains the right to review the conditions at an earlier time. The reasons for such an earlier review could include:
- i) The level of Consent Holder compliance, including any accidents including spills or process mishaps.
 - ii) Matters pertaining to the Council's resource consents for the Sewerage System.
 - iii) Matters pertaining to the Council's environmental policies and outcomes.
 - iv) New control and treatment technologies and processes.
 - v) Any of the matters outlined in clause 4 of this bylaw.
 - vi) Matters pertaining to the Council's legal obligations.
- c) In all other cases the term of a Conditional Trade Waste Consent should not exceed two years;
- d) In all cases where either the Consent Holder or the owner of the Premises changes, or there is a change of use, a new application for an appropriate Trade Waste Consent shall be made. It shall be the responsibility of the Consent Holder to lodge the new application; and
- e) The conditions on resource consents for the Sewerage System and the residuals from it change.

3.9.3 Controlled Trade Waste Consents

Subject to 3.11 and 6.1 Controlled Trade Waste Consents under this bylaw shall expire at the end of a term fixed by the Council subject to the following:

- a) **Controlled Trade Waste Consents** may be given for a term not exceeding five years to a Consent Holder who at the time of application satisfies the Council that:
 - i) The nature of the trade activity, or the process design and/or management of the Premises are such that the Consent

Holder has a demonstrated ability to meet the conditions of the Consent during its term; and/or

- ii) Cleaner Production techniques are successfully being utilised, or that a responsible investment in Cleaner Production equipment or techniques is being made; and/or
- iii) Significant investment in Pre-treatment facilities has been made, such that a longer period of certainty for the amortizing of this investment is considered reasonable; and/or
- iv) The reissuing of Consent can not be unreasonably withheld.
- v) **The nature of the discharge and/or the location of the specific premises warrants consideration as a Special Discharge.**

b) **Notwithstanding subclause a) above, the Council retains the right to review the conditions at an earlier time. The reasons for such an earlier review could include:**

- i) The level of Consent Holder compliance, including any accidents including spills or process mishaps.
- ii) Matters pertaining to the Council's resource consents for the Sewerage System.
- iii) Matters pertaining to the Council's environmental policies and outcomes.
- iv) New control and treatment technologies and processes.
- v) Any of the matters outlined in clause 4 of this bylaw.
- vi) Matters pertaining to the Council's legal obligations.

c) **In all other cases the term of a Controlled Trade Waste Consent shall not exceed three years;**

d) **In all cases where either the Consent Holder or the owner of the Premises changes, or there is a change of use, a new application for a Controlled Trade Waste Consent shall be made. It shall be the responsibility of the Consent Holder to lodge the new application; and**

e) **The conditions on resource consents for the Sewerage System and the residuals from it change.**

3.10 Technical review and variation

3.10.1 The Council may at any time require a Person undertaking a Permitted Discharge to apply for a Consent in accordance with 3.2.1 and 3.8.

3.10.2 The Council may at any time during the term of a Trade Waste Consent, by written notice to the Consent Holder (following a reasonable period of consultation), vary any condition to such an extent as the Council considers

necessary following a review of the technical issues considered when setting conditions of Consent. Where this is due to new information becoming available or to meet any new resource consent conditions imposed on the discharge from the Council's treatment plant, or with any other legal requirements imposed on the Council.

3.10.3 A Consent Holder may at any time during the term of a Consent, by written application to the Council, seek to vary any condition of Consent, as provided for in 3.7 of this bylaw.

3.11 Cancellation of the right to discharge

3.11.1 Suspension or cancellation on notice

The Council may suspend or cancel any Consent or right to discharge at any time following 20 Working Days' (during which consultation has occurred) notice to the Consent Holder or Person discharging any Trade Waste:

- a) For the failure to comply with any condition of the Consent;
- b) For the failure to maintain effective control over the discharge;
- c) For the failure to limit in accordance with the requirements of a Consent the volume, nature, or composition of Trade Waste being discharged;
- d) In the event of any negligence which, in the opinion of the Council, threatens the safety of, or threatens to cause damage to any part of the Sewer System or the treatment plant or threatens the health or safety of any Person;
- e) If any occurrence happens that, in the opinion of the Council, poses a serious threat to the environment;
- f) In the event of any breach of a resource consent held by the Council issued under the Resource Management Act 1991 **and any amendments**;
- g) Failure to provide and when appropriate update a Management Plan as required for a Consent;
- h) Failure to follow the Management Plan provisions at the time of an unexpected, unscheduled or accidental occurrence;
- i) Failure to pay any charges under this bylaw; or
- j) If any other circumstances arise which, in the opinion of the Council, render it necessary in the public interest to cancel the right to discharge.

If any process changes require more than 20 Working Days, reasonable time may be given to comply with the Consent conditions.

3.11.2 Summary cancellation

Further to 3.11.1 any Trade Waste Consent to discharge may at any time be summarily cancelled by the Council on giving to the Consent Holder or Person discharging written notice of summary cancellation if:

- a) They discharge any Prohibited substance;
- b) The Council is law fully directed to withdraw or otherwise to terminate the Consent summarily;
- c) They discharge any Trade Waste unlawfully;
- d) If the continuance of discharge is, in the opinion of the Council, a threat to the environment or public health;
- e) If the continuance of discharge may, in the opinion of the Council, result in a breach of a resource Consent held by the Council; or
- f) In the opinion of the Council the continuance of the discharge puts at risk the ability of the Council to comply with conditions of a resource Consent and/or requires identified additional treatment measures or costs to seek to avoid a breach of any such resource Consent.

4.0 TRADE WASTE APPROVAL CRITERIA

4.1 Pre-treatment

- 4.1.1 The Council may approve a Trade Waste discharge (see Appendix B for appropriate form) subject to the provision of appropriate Pre-treatment systems to enable the Person discharging to comply with the bylaw. Such Pre-treatment systems shall be provided, operated and maintained by the Person discharging at their expense.
- 4.1.2 Refuse or garbage grinders and macerators shall not be used to dispose of solid waste from Trade Premises to the Sewerage System unless Approved by the Council.
- 4.1.3 The Person discharging shall not, unless approved by the Council, add or permit the addition of any potable, Condensing, Cooling Water or Stormwater to any Trade Waste stream in order to vary the level of any Characteristics of the waste.

4.2 Mass limits

- 4.2.1 A **Controlled** Trade Waste Consent to discharge may impose controls on a Trade Waste discharge by specifying Mass Limits for any Characteristic.
- 4.2.2 Mass Limits may be imposed for any Characteristic. Any Characteristic permitted by Mass Limit shall also have its Maximum Concentration limited to the value scheduled unless approved otherwise.
- 4.2.3 When setting Mass Limit allocations for a particular Characteristic the Council shall consider:
 - a) The operational requirements of and risk to the Sewerage System, and risks to occupational health and safety, public health, and the ultimate receiving environment;

- b) Whether or not the levels proposed pose a threat to the planned or actual beneficial reuse of Biosolids or Sewage Sludge;
- c) Conditions in the Sewerage System near the Trade Waste discharge point and elsewhere in the Sewerage System;
- d) The extent to which the available industrial capacity was used in the last financial period and is expected to be used in the forthcoming period;
- e) Whether or not the applicant uses Cleaner Production techniques within a period satisfactory to the Council;
- f) Whether or not there is any net benefit to be gained by the increase of one Characteristic concurrently with the decrease of another to justify any increased application for industrial capacity;
- g) Any requirements of the Council to reduce the pollutant discharge of the Sewerage System;
- h) How great a proportion the mass flow of a Characteristic of the discharge will be of the total mass flow of that Characteristic in the Sewerage System;
- i) The total mass of the Characteristic allowable in the Sewerage System, and the proportion (if any) to be reserved for future allocations; and
- j) Whether or not there is an interaction with other Characteristics which increases or decreases the effect of either Characteristic on the Sewer reticulation, treatment process, or receiving water (or land).

5.0 SAMPLING, TESTING AND MONITORING

5.1 Flow metering

5.1.1 Flow metering may be required by the Council:

- a) On discharges when there is not a reasonable relationship between a metered water supply to the Premises, and the discharge of Trade Waste;
- b) When the Council will not approve a method of flow estimation; or
- c) When the discharge represents a significant proportion of the total flow/load received by the Council.

5.1.2 The Consent Holder shall be responsible for the supply, installation, reading and maintenance of any meter required by the Council for the measurement of the rate or quantity of discharge of Trade. These devices shall be subject to the Approval of the Council, but shall remain the property of the Consent Holder. Where Council owns the equipment and provide the service, the Consent Holder shall be responsible for the cost thereof.

5.1.3 Records of flow and/or volume shall be available for viewing at any time by the Council, and shall be submitted to the Council at prescribed intervals by the Consent Holder in a format Approved by the Council.

5.1.4 Meters shall be located in a position approved by the Council which provides the

required degree of accuracy and should be readily accessible for reading and maintenance. The meters shall be located in the correct position according to the manufacturer's installation instructions.

5.1.5 The Consent Holder shall arrange for *in situ* calibration of the flow metering equipment and instrumentation by a Person and method Approved by the Council upon installation and at least once a year thereafter to ensure its performance. The meter accuracy should be $\pm 10\%$ but with no greater a deviation from the previous meter calibration of $\pm 5\%$. A copy of independent certification of each calibration result shall be submitted to the Council.

5.1.6 Should any meter, after being calibrated, be found to have an error greater than that specified in 5.1.5 as a repeatable measurement, the Council may make an adjustment in accordance with the results shown by such tests back-dated for a period at the discretion of the Council but not exceeding 12 months, and the Consent Holder shall pay or be credited a greater or lesser amount according to such adjustment.

5.2 Estimating discharge

5.2.1 Where no meter or similar apparatus is warranted, the Council may require that a percentage of the water supplied to the Premises (or other such basis as seems reasonable) be used for estimating the rate or quantity of flow for the purposes of charging.

5.2.2 Should any meter be out of repair or cease to register, or be removed, the Council shall estimate the discharge for the period since the previous reading of such meter, (based on the average of the previous 12 months charged to the Person discharging) and they shall pay according to such estimate. Provided that when by reason of a large variation of discharge due to seasonal or other causes, the average of the previous 12 months would be an unreasonable estimate of the discharge, then the Council may take into consideration other evidence for the purpose of arriving at a reasonable estimate, and the Person discharging shall pay according to such an estimate.

5.2.3 Where in the opinion of the Council, a meter has been tampered with, the Council (without prejudice to the other remedies available) may declare the reading void and estimate discharge as provided above.

5.3 Sampling and analysis

5.3.1 As determined by the Council sampling, testing and monitoring may be undertaken to determine if:

- a) A discharge complies with the provisions of this bylaw;
- b) A discharge is to be classified as a Permitted, Conditional, Controlled or Prohibited, refer to 3.1;
- c) A discharge complies with the provisions of relevant Schedule 1A – 1D for a specific Discharge and any Consent to discharge; and
- d) Trade Waste Consent charges are applicable to that discharge.

5.3.2 The taking, preservation, transportation and analysis of the sample shall be undertaken by an Authorised Officer or agent of the Council, or the Person discharging in accordance with accepted industry standard methods, or by a method specifically approved by the Council. The Person discharging shall be responsible for all reasonable costs. Where a dispute arises as to the validity of the methods or procedures used for sampling or analysis, the dispute may be submitted to a mutually agreed independent arbitrator.

5.3.3 All Authorised Officers or authorized agents of the Council, or any Analyst may enter any Premises believed to be discharging Trade Waste at any time in order to determine any Characteristics of any actual or potential discharge by:

- a) Taking readings and measurements;
- b) Carrying out an inspection; and/or
- c) Taking samples for testing,

of any solid, liquid, or gaseous material or any combination or mixture of such materials being discharged.

5.3.4 Authorisation for entry to Premises is given under the Local Government Act 2002 and entry shall be in compliance with the health and safety policies of that particular site.

5.4 Monitoring

5.4.1 Monitoring for compliance

The Council is entitled to monitor and audit any Trade Waste discharge for compliance. Whether for a Permitted Discharge or a Conditional or Controlled Consent discharge, monitoring may be carried out as follows:

- a) The Council or its authorized agent will take the sample and arrange for this sample to be analysed in an Approved laboratory by agreed/approved analytical methods;
- b) The sampling procedure will be appropriate to the Trade Waste and the analysis;
- c) The Council will audit the sampling and analysis carried out by a self-monitoring Trade Waste discharger. Analysis will be performed by an Approved laboratory. Inter-laboratory checks are to be part of this process;
- d) The Council will audit the sampling and analysis carried out by an Analyst. Analysis will be performed by an Approved laboratory. Inter-laboratory checks are to be part of this process; and
- e) The Council will audit the Trade Waste Consent conditions including any Management Plans.

At the discretion of the Council all costs of monitoring shall be met by the discharger either through direct payment to the laboratory or to the Council.

5.4.2 Sampling methodology

Normally a single grab or composite sample is sufficient. If required the grab or composite sample can be split equally into three as follows:

- a) One portion of the sample goes to the Trade Waste discharger for appropriate analysis and/or storage;
- b) A second portion of the sample shall be analysed at a laboratory Approved by the Council;
- c) A third portion of the sample is retained by the Council for 20 Working Days, for additional analysis if required.

Due consideration will be applied to any changes that could occur in retained Trade Waste samples and provisions to mitigate against changes will be adopted where practicable.

In all cases the samples shall be handled in an appropriate manner such that the Characteristics being tested for are, as far as reasonably possible, preserved.

All samples shall be preserved, handled, transported and delivered to an Approved laboratory according to the best possible practice and Approved standards.

5.4.3 Tankered wastes

Tankered Wastes not compliant with the Liquid and Hazardous Wastes Code of Practice shall not be discharged into the Council's Sewerage System by any Person or Consent Holder.

The Council may accept Tankered Wastes for discharge at an Approved location subject to conditions. Tankered Wastes shall:

- a) Be transported by a Consent Holder to discharge domestic septic tank or industrial wastes;
- b) Have appropriate written information supplied to the Council detailing the contents of a waste;
- c) Be tested to determine their character if the contents of the waste are not known. Specialist advice on Pre-treatment or acceptance may be required. The cost of all testing and advice shall be borne by the Consent Holder;
- d) Not be picked up and transported to the disposal site until appropriate arrangements and method for disposal have been determined by the Council;
- e) To prevent cross-contamination between tanker loads, the tanker shall be thoroughly washed prior to collecting a load for disposal into the Sewerage System; and

- f) Have 24 hours notice given for the disposal of wastes other than those sourced from domestic septic tanks unless there is a standing arrangement with Council for disposal of that particular waste type.

Any Person illegally disposing of, or causing to be disposed, Tankered Waste either by incorrect disclosure of contents (Characteristics and/or amount) or dumping into the Council's Sewerage System other than the prescribed location will be in breach of the bylaw.

5.4.4 Disinfectant/super chlorinated water

Any water used during the repair and construction of water mains shall be dechlorinated prior to the discharge into the Sewerage System. Application for a Temporary Discharge Consent shall be made. Such water shall not be disposed of to Stormwater or adjacent water courses without appropriate Approvals.

6.0 BYLAW ADMINISTRATION

6.1 Review of decisions

If any Consent Holder is dissatisfied with any decision by an Authorised Officer made under this bylaw, that Consent Holder may, by notice delivered to the Chief Executive Officer of the Council not later than 20 Working Days after the decision by the Authorised Officer is served upon that Person, request the Chief Executive Officer to review any such decision and such a decision shall be final.

Nothing in this clause shall affect any right of appeal under the Local Government Act 2002.

6.2 Accidents and non-compliance

The Consent Holder discharging shall inform the Council immediately on discovery of any accident including spills or process mishaps which may cause a breach of this bylaw.

In the event of an accident occurring on the Premises of a Permitted Discharge, the Council may require the Consent Holder discharging to apply for a Conditional Consent.

In the event of any accident occurring when the Consent Holder holds a Conditional Consent, then the Council may review the Consent under 3.9 or may require the Consent Holder to review the Contingency Management Procedures and re-submit for Approval the Management Plan with the Council, or may require the Consent Holder to apply for a Controlled Consent, within 20 Working Days of the date such requirement is notified to the Consent Holder in writing.

In the event of any accident occurring when the Consent Holder holds a Controlled Consent governed by a Discharge Agreement, then the Council may review the Consent under 3.9 or may require the Consent Holder, within 20 Working Days of the date such requirement is notified to the Consent Holder in writing, to review the Contingency Management Procedures and re-submit for

Approval the Management Plan with the Council. In addition pay such cost and or penalties as made provision for in the Discharge Agreement

6.3 Charges and payments

6.3.1 Charges

The Council may recover costs in accordance with the Local Government Act 2002 and the Local Government (Rating) Act 2002. Schedule 1E outlines a regime of possible trade waste discharge charge categories, together with full cost recovery formulas and or method of calculation.

6.3.2 Invoicing

All charges determined in accordance with 6.3.1 shall be invoiced in accordance with Council's standard commercial practice. The invoice shall provide each Person discharging with a copy of the information and calculations used to determine the extent of any charges and fees due, in regard to a discharge.

6.3.3 Cease to discharge

The Person discharging shall be deemed to be continuing the discharge of Trade Waste and shall be liable for all charges, until Notice of Disconnection is given.

6.3.4 Failure to pay

All charges payable under this bylaw shall be recoverable as a debt. If the Person discharging fails to pay any charges under this bylaw the Council may cancel the right to discharge in accordance with 3.11.

6.3.5 Recovery of costs

The Council may recover costs under Local Government Act 2002 relating to s. 150 and s. 151, wilful damage or negligent behaviour (s. 175) and remedying damage arising from breach of bylaw (s. 176) and or a **operational Discharge Agreement**.

6.4 Authorised officers

All Authorised Officers of the Council, or other Persons authorized under s. 174 or s. 177 or paragraph 32 of schedule 7 of the Local Government Act 2002, shall possess and produce on request warrants of authority and evidence of identity.

Any Authorised Officers may at any reasonable time enter any Premises believed to be discharging Trade Wastes to determine any Characteristic of any discharge by:

- a) Taking readings and measurements; and/or
- b) Taking samples or any solids, liquids or gaseous material or any combination or mixtures of such materials being discharged; and/or
- c) Observing accidental occurrences and clean-up.

The extent and level of delegation to Authorised Officers will be in accordance with the Council's Register of Statutory Delegations and Warrants.

Authorisation for entry to Premises is given under the Local Government Act 2002. Entry shall be in compliance with the health and safety policies of that particular site.

6.5 Transfer or termination of rights and responsibilities

6.5.1 A Trade Waste Consent to discharge shall be issued in the name of the given Consent Holder. The Consent Holder shall not, unless written Approval is obtained from the Council:

- a) Transfer to any other party the rights and responsibilities provided for under this bylaw, and under the Consent;
- b) Allow a Point of Discharge to serve another Premises, or the Private Drain to that point to extend by pipe or any other means to serve another Premises; or
- c) In particular and not in limitation of the above, allow Sewage from any other party to be discharged at their Point of Discharge.

NOTE – This clause does not relate to Exempt Discharges.

6.5.2 Renewal of a Trade Waste Consent on change of ownership of Premises is not automatic, Council must be informed, and such renewal shall not be unreasonably withheld if the Characteristics of the discharge remain unchanged.

NOTE – This clause does not relate to Exempt Discharges.

6.5.3 The Consent Holder discharging shall give 48 hours notice in writing to the Council of their requirement for Disconnection of the discharge connection and/or termination of the discharge Consent, except where demolition or relaying of the discharge drain is required, in which case the notice shall be within seven Working Days. The Consent Holder discharging shall notify the Council of the new address details for final invoicing.

On permanent Disconnection and/or termination the Consent Holder discharging may at the Council's discretion be liable for Trade Waste charges to the end of the current charging period.

6.5.4 When a Consent Holder discharging ceases to occupy Premises from which Trade Wastes are discharged into the Sewerage System any Consent granted shall terminate but without relieving the Consent Holder discharging from any obligations existing at the date of termination.

6.6 Service of documents

6.6.1 Delivery or post

Any notice or other document required to be given, served or delivered under this bylaw to a Consent Holder discharging may (in addition to any other method permitted by law) be given or served or delivered by being:

- a) Sent by pre-paid ordinary mail, courier, facsimile or email to the Consent Holder discharging at the Consent Holders' last known place of residence or business;
- b) Sent by pre-paid ordinary mail, courier, or facsimile, or email to the Consent Holder discharging at any address for service specified in a Consent to discharge;
- c) Where the Consent Holder discharging is a body corporate, sent by pre-paid ordinary mail, courier, or facsimile, or email to, or left at its registered office; or
- d) Personally served on the Consent Holder discharging.

6.6.2 Service

If any notice or other document is:

- a) Sent by post it will be deemed received on the first day (excluding weekends and public holidays) after posting;
- b) Sent by facsimile or email and the sender's facsimile or email machine produces a transmission report indicating that the facsimile or email was sent to the addressee, the report will be prima facie evidence that the facsimile or email was received by the addressee in a legible form at the time indicated on that report; or
- c) Sent by courier and the courier obtains a receipt or records delivery on a courier run sheet, the receipt or record of delivery on a courier run sheet will be prima facie evidence that the communication was received by the addressee at the time indicated on the receipt or courier run sheet, or left at a conspicuous place at the Trade Premises or is handed to a designated Person(s) nominated by the Consent Holder then that shall be deemed to be service on, or delivery to the Consent Holder at that time.

NOTE – It should be verified that notice has been served on the correct Person.

6.6.3 Signature

Any notice or document to be given, served or delivered shall be signed by an Authorised Officer.

6.7 Offences

Every Person or Consent Holder or owner or Occupier of Trade Premises who:

- a) Fails to comply with or acts in contravention of any provision of this bylaw;
- b) Breaches the conditions of any Consent to discharge granted pursuant to this bylaw; or
- c) Fails to comply with a notice served under this bylaw,

either commits an offence under s. 239 of the Local Government Act 2002, and is liable on summary conviction to a fine as specified in s. 242 of the Local Government Act 2002 or, if the offence is an infringement offence may be proceeded against under the Summary Proceedings Act 1957 or be served with an Infringement notice under s. 245 of the Local Government Act 2002.

In all cases the Council may recover costs associated with damage to the Council Sewerage System and/or breach of this bylaw in accordance with s. 175 and s. 176 of the Local Government Act 2002 respectively.

SCHEDULE 1A: PERMITTED DISCHARGE CHARACTERISTICS

1A.1 INTRODUCTION

1A.1.1 The nature and levels of the Characteristics of any Trade Waste discharged to the Council 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 an Approval to discharge a Trade Waste.

NOTE – It is very important to refer to the Guideline tables for background reasons for Contaminant concentrations.

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 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 3.9 of the bylaw.

1A.2 PHYSICAL CHARACTERISTICS

1A.2.1 Flow

- a) The 24 hour flow volume shall be less than 5 m³.
- 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 **500** g/m³. For Significant Industry this may be reduced to **300** g/m³.
- c) The settleable solids content of any Trade Waste shall not exceed 50 mL/L.
- 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 of oil and grease.
- 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 **100** g/m³ 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/m³ 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/m³ 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 Sewer subject to the total suspended solids not exceeding **500** g/m³ 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 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 National Radiation Laboratory Guidelines.

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 (BOD₅) of any waste may require to be restricted where the capacity for receiving and treating BOD₅ is limited. A BOD₅ restriction may be related to Mass Limits.

Where there is no Council treatment system for organic removal the BOD₅ shall not exceed **500** g/m³.

NOTE – For biological process inhibiting compounds see table 5 in the *Guidelines for Sewerage Systems: Acceptance of Trade Wastes* (industrial waste) Appendix E.

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 and Table 1A.3.

TABLE 1A.1 – GENERAL CHEMICAL CHARACTERISTICS

(Mass limits may be imposed, refer to 4.2)

Characteristic	Maximum concentration (g/m ³)
MBAS (Methylene blue active substances)	500
<i>(Measures anionic surfactants)</i>	
Ammonia (measured as N)	
- free ammonia	50
- ammonium salts	200
Kjeldahl nitrogen	100
Total phosphorus (as P)	20
Sulphate (measured as SO ₄)	500
Sulphite (measured as SO ₂)	15
Sulphide – as H ₂ S on acidification	5
Chlorine (measured as Cl ₂)	
- free chlorine	3
- hypochlorite	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)	5
Tannin	15
Total Alkalinity	100

TABLE 1A.2 – HEAVY METALS

(Mass limits may be imposed, refer to 4.2)

Metal	Maximum concentration (g/m ³)	Daily Mass Limit (g/day)
Antimony	1	2
Arsenic	1	2
Barium	10	15
Beryllium	0.005	0.01
Cadmium	0.3	0.9
Chromium	5	15
Cobalt	5	15
Copper	5	15
Lead	2	6
Manganese	10	30
Mercury	0.02	0.05
Molybdenum	10	30
Nickel	5	15
Selenium	0.25	0.75
Silver	2	6
Thallium	1	2
Tin	5	15
Zinc	5	15

Concentration and Mass limits adjusted from NZ Model Trade Waste Bylaw to be nearer the levels accepted in New South Wales Australia.

Present sludge is suitable for soil conditioning but higher heavy metals will prevent that and land filling is then the only solution.

TABLE 1A.3 – ORGANIC COMPOUNDS AND PESTICIDES

(Mass limits may be imposed, refer to 4.2)

Compound	Maximum concentration (g/m³)
Formaldehyde (as HCHO)	50
Phenolic compounds (as phenols) excluding chlorinated phenols	50
Chlorinated phenols	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

SCHEDULE 1B: CONDITIONAL DISCHARGE CHARACTERISTICS

1B.1 INTRODUCTION

1B.1.1 The nature and levels of the Characteristics of any Trade Waste discharged to the Council 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 an Approval to discharge a Trade Waste.

NOTE – It is very important to refer to the Guideline tables for background reasons for Contaminant concentrations.

1B.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.

1B.1.3 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 3.9 of the bylaw.

1B.2 PHYSICAL CHARACTERISTICS

1B.2.1 Flow

- a) The 24 hour flow volume shall be less than 5 m³.
- b) The maximum instantaneous flow rate shall be less than 2.0 L/s.

1B.2.2 Temperature

The temperature shall not exceed 40 °C.

1B.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 **1000 g/m³**. For Significant Industry this may be reduced to 600 g/m³.
- c) The settleable solids content of any Trade Waste shall not exceed 50 mL/L.
- 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.

1B.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/m³ 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/m³ 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/m³ 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.

1B.2.5 Solvents and other organic liquids

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

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

- a) Where such emulsions are not treatable these may be discharged into the Sewer subject to the total suspended solids not exceeding 1000 g/m³ 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 Sewer only at a concentration and pH range that prevents coagulation and blockage at the mixing zone in the public Sewer.

1B.2.7 Radioactivity

Radioactivity levels shall not exceed National Radiation Laboratory Guidelines.

1B.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.

1B.3 CHEMICAL CHARACTERISTICS

1B.3.1 pH value

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

1B.3.2 Organic strength

1B.3.2.1 The Biochemical Oxygen Demand (BOD₅) of any waste may be required to be restricted where the capacity for receiving and treating BOD₅ is limited. A BOD₅ restriction may be related to Mass Limits.

Where there is no Council treatment system for organic removal the BOD₅ shall not exceed **1000 g/m³**. For Significant Industry this may be reduced to 600 g/m³.

NOTE – For biological process inhibiting compounds see table 5 in the Guidelines for Sewerage Systems: Acceptance of Trade Wastes (industrial waste) Appendix E.

1B.3.3 Maximum concentrations

The Maximum Concentrations permissible for the chemical Characteristics of an acceptable discharge are set out in Table 1B.1, Table 1B.2 and Table 1B.3.

TABLE 1B.1 – GENERAL CHEMICAL CHARACTERISTICS

(Mass limits may be imposed, refer to 4.2)

Characteristic	Maximum concentration (g/m ³)
MBAS (Methylene blue active substances)	500
(Measures anionic surfactants)	
Ammonia (measured as N)	
- free ammonia	50
- ammonium salts	200
Kjeldahl nitrogen	100
Total phosphorus (as P)	20
Sulphate (measured as SO ₄)	500
	1500 (with good mixing)
Sulphite (measured as SO ₂)	15
Sulphide – as H ₂ S on acidification	5
Chlorine (measured as Cl ₂)	
- free chlorine	3
- hypochlorite	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)	5
Tannin	15
Total Alkalinity	100

TABLE 1B.2 – HEAVY METALS

(Mass limits may be imposed, refer to 4.2)

Metal	Maximum concentration (g/m³)	Daily Mass Limit (g/day)
Antimony	1	2
Arsenic	1	2
Barium	10	15
Beryllium	0.005	0.01
Cadmium	0.3	0.9
Chromium	5	15
Cobalt	5	15
Copper	5	15
Lead	2	6
Manganese	10	30
Mercury	0.02	0.05
Molybdenum	10	30
Nickel	5	15
Selenium	0.25	0.75
Silver	2	6
Thallium	1	2
Tin	5	15
Zinc	5	15

Concentration and Mass limits adjusted from NZ Model Trade Waste Bylaw to be nearer the levels accepted in New South Wales Australia.

Present sludge is suitable for soil conditioning but higher heavy metals will prevent that and land filling is then the only solution.

TABLE 1B.3 – ORGANIC COMPOUNDS AND PESTICIDES

(Mass limits may be imposed, refer to 4.2)

Compound	Maximum concentration (g/m³)
Formaldehyde (as HCHO)	50
Phenolic compounds (as phenols) excluding chlorinated phenols	50
Chlorinated phenols	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

SCHEDULE 1C: CONTROLLED DISCHARGE CHARACTERISTICS

1C.1 INTRODUCTION

1C.1.1 The nature and levels of the Characteristics of any Trade Waste discharged to the Council 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 an Approval to discharge a Trade Waste.

NOTE – It is very important to refer to the Guideline tables for background reasons for Contaminant concentrations.

1C.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.

1C.1.3 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 3.9 of the bylaw.

1C.2 PHYSICAL CHARACTERISTICS

1C.2.1 Flow

- a) The 24 hour maximum flow volume shall be measured in m³ and be as agreed in the individual Trade Waste Agreements.
- b) The maximum instantaneous flow rate shall be less than 30.0 L/s.

1C.2.2 Temperature

The temperature shall not exceed 40 °C.

1C.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/m³**. For Significant Industry this maximum will be set in the individual Trade Waste Agreements.
- c) The settleable solids content of any Trade Waste shall not exceed 150mL/L or as set in the individual Trade Waste Agreements.
- 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.

1C.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/m³ 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/m³ 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/m³ 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.

1C.2.5 Solvents and other organic liquids

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

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

- a) Where such emulsions are not treatable these may be discharged into the Sewer subject to the total suspended solids not exceeding 1000 g/m³ for quantities not exceeding 5m³ per day 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) to levels that interfere with disinfection efficiency.
- c) Such emulsions of 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.

1C.2.7 Radioactivity

Radioactivity levels shall not exceed National Radiation Laboratory Guidelines.

1C.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.

1C.3 CHEMICAL CHARACTERISTICS

1C.3.1 pH value

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

1C.3.2 Organic strength

1C.3.2.1 The Biochemical Oxygen Demand (BOD₅), Total Suspended Solids (TSS), Total Nitrogen (TN) and Total Phosphorous (TP) of any waste may be restricted where the capacity for receiving and treating these parameters are limited. There may also be a restriction related to Mass Limits of each of these parameters.

NOTE – For biological process inhibiting compounds see table 5 in the Guidelines for Sewerage Systems: Acceptance of Trade Wastes (industrial waste) Appendix E

1C.3.3 Maximum concentrations

The Maximum Concentrations permissible for the chemical Characteristics of an acceptable discharge are set out in Table 1C.1, Table 1C.2 and Table 1C.3.

TABLE 1C.1 – GENERAL CHEMICAL CHARACTERISTICS

(Mass limits may be imposed, refer to 4.2)

Characteristic	Maximum concentration (g/m ³)
MBAS (Methylene blue active substances)	500
(Measures anionic surfactants)	
Ammonia (measured as N)	
- free ammonia	50
- ammonium salts	200
Kjeldahl nitrogen	360
Total phosphorus (as P)	50
Sulphate (measured as SO ₄)	500
Sulphite (measured as SO ₂)	15
Sulphide – as H ₂ S on acidification	5
Chlorine (measured as Cl ₂)	
- free chlorine	3
- hypochlorite	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)	5
Tannin	15
Total Alkalinity	100

TABLE 1C.2 – HEAVY METALS

(Mass limits may be imposed, refer to 4.2)

Metal	Maximum concentration (g/m³)	Daily Mass Limit (g/day)
Antimony	1	2
Arsenic	1	2
Barium	10	15
Beryllium	0.005	0.01
Cadmium	0.3	0.9
Chromium	5	15
Cobalt	5	15
Copper	5	15
Lead	2	6
Manganese	10	30
Mercury	0.02	0.05
Molybdenum	10	30
Nickel	5	15
Selenium	0.25	0.75
Silver	2	6
Thallium	1	2
Tin	5	15
Zinc	5	15

TABLE 1C.3 – ORGANIC COMPOUNDS AND PESTICIDES

(Mass limits may be imposed, refer to 4.2)

Compound	Maximum concentration (g/m³)
Formaldehyde (as HCHO)	50
Phenolic compounds (as phenols) excluding chlorinated phenols	50
Chlorinated phenols	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

SCHEDULE 1D: PROHIBITED CHARACTERISTICS

1D.1 INTRODUCTION

This schedule defines Prohibited Trade Wastes.

1D.2 PROHIBITED CHARACTERISTICS

1D.2.1 Any discharge has prohibited Characteristics if it has any solid, liquid or gaseous matters or any combination or mixture of such matters which by themselves or in combination with any other matters will immediately or in the course of time:

- a) Interfere with the free flow of Sewage in the Sewerage System;
- b) Damage any part of the Sewerage System;
- c) In any way, directly or indirectly, cause the quality of the treated Sewage or residual Biosolids and other solids from any Sewage treatment plant in the catchment to which the waste was discharged to breach the conditions of a Consent issued under the Resource Management Act, or water right, permit or other governing legislation;
- d) Prejudice the occupational health and safety risks faced by sewerage workers;
- e) After treatment be toxic to fish, animals or plant life in the receiving waters;
- f) Cause malodorous gases or substances to form which are of a nature or sufficient quantity to create a public nuisance; or
- g) Have a colour or colouring substance that causes the discharge from any Sewage treatment plant to receiving waters to be coloured.

1D.2.2A Discharge has prohibited Characteristics if it has any characteristic which exceeds the concentration or other limits specified in Schedule 1A unless specifically approved for that particular Consent.

1D.2.3A Discharge has a prohibited Characteristic if it has any amount of:

- a) Harmful solids, including dry solid wastes and materials which combine with water to form a cemented mass;
- b) Liquid, solid or gas which could be flammable or explosive in the wastes, including oil, fuel, solvents (except as allowed for in Schedule 1A), calcium carbide, and any other material which is capable of giving rise to fire or explosion hazards either spontaneously or in combination with Sewage;
- c) Asbestos;

- d) The following organo-metal compounds:
Tin (as tributyl and other organotin compounds);
- e) Any organochlorine pesticides, weedicides, fungicides, herbicides and substances of a similar nature and/or the waste arising from the preparation of these substances;
- f) Genetic wastes, as follows:
All wastes that contain or are likely to contain material from a genetically modified organism that is not in accordance with an approval under the Hazardous Substances and New Organisms Act 1996. The material concerned may be from Premises where the genetic modification of any organism is conducted or where a genetically modified organism is processed;
- (g) Any health care waste prohibited for discharge to a Sewerage System by NZS 4304 or any pathological or histological wastes; or
- (h) Radioactivity levels in excess of the National Radiation Laboratory Guidelines.
- (i) Organic solvents and mineral oils.
- (j) Natural or synthetic resins, plastic monomers, synthetic adhesives, rubber and plastic emulsions.

SCHEDULE 1E: TRADE WASTE CHARGES

Charges are set **annually** by Council resolution following a special consultative procedure. This may be done by the annual planning process, **rate** setting or a similar transparent public process in accordance with the Local Government Act (Local Government Act 2002) **and/or the Local Government (Rating) Act 2002**.

The following states what Council will consider to determine charges under the tenure of this Bylaw.

A. ADMINISTRATIVE CHARGES

Category		Description
A1	Connection fee	Payable on application for connection to discharge
A2	Compliance monitoring	The cost of sampling and analysis of Trade Waste discharges
A3	Disconnection fee	Payable following a request for Disconnection from Sewerage System
A4	Trade Waste application fee	Payable on an application for a Trade Waste discharge
A5	Re-inspection fee	Payable for each re-inspection visit by the Council where a notice served under this bylaw has not been complied with by the Trade Waste discharger
A6	Special rates for loan charges	Additional rates for servicing loans raised for the purposes of constructing or improving the Sewerage System to meet specific treatment requirements
A7	Temporary Discharge fee	Payable prior to receipt of Temporary Discharge
A8	Annual Trade Waste charges	An annual management fee for a Trade Waste discharge to cover the Council's costs associated with for example:
		(a) Administration;
		(b) General compliance monitoring;
		(c) General inspection of Trade Waste Premises;
		(d) Use of the Sewerage System.
		This charge may vary depending on the Trade Waste sector and category of the discharger.

A9	Rebates for Trade Premises within the district	Reduction in fees is provided for in s. 150(2). Section 150(4) of the Local Government Act 2002 states that the fees prescribed by the Council shall not provide for the Council to recover more than the reasonable cost incurred by the Council for the matter for which the fee is charged. In no event shall the resultant charge be less than the Council's sewerage charge for the equivalent period.
A10	New or Additional Trade	Pay the annual fees and a <i>pro rata</i> proportion of the various Premises Trade Waste charges relative to flows and loads.

B. OPERATIONAL TRADE WASTE CHARGES

Category		Description
B1	Exempted Consent	Annual Targeted Rate as determined using calculation format Appendix F
B2	Permitted discharge	Annual Targeted Rate as determined using calculation format Appendix F
B3	Conditional discharge	Annual Targeted Rate as determined using calculation format Appendix F
B4	Tanker Wastes	Set as a fee(s) per tanker load, or as a fee(s) per cubic metre, dependent on Trade Waste category as determined using calculation format Appendix F

C. SPECIAL DISCHARGE

Where deemed applicable Council may use the format for Controlled Discharge to calculate a trade waste charge for discharge from a specific premises or industry or any special application for discharge of liquid waste.

D. PROHIBITED (TOXICITY)

Payment based on the defined form(s) of the toxic substance(s) measured in kg and or m³ and the full cost of damage and remedial action.

E. CONTROLLED DISCHARGES

Category		Description
B1	Volume	Payment based on the volume discharged \$/m ³
B2	Flow rate	Payment based on the flow rate discharged \$/L/s
B3	Suspended solids	Payment based on the mass of suspended solids \$/kg
B4	Organic loading	Carbonaceous Biochemical oxygen demand or chemical oxygen demand \$/kg
B5	Nitrogen	Payment based on the defined form(s) of nitrogen \$/kg
B6	Phosphorous	Payment based on the defined form(s) of phosphorous \$/kg
B7	Metals	Payment based on the defined form(s) of the metal(s) \$/kg
B8	Bacteria	Payment based on the bacteria concentration
B9	Transmissivity	Payment based on the inhibiting nature of the Trade Waste to UV light used by the Council's disinfection process
B10	Screenable solids	Payment based on the mass of screenable solids \$/kg
B11	Toxicity charge	Payment based on the defined form(s) of the toxic substance(s) \$/kg and/or \$/m ³
B12	Depreciation	Cost related to renewal of infrastructure and spread across the categories, used to calculate the cost of treating waste water.
B13	Capital	Cost of whole sewer system infrastructure consisting of loan repayment, interest and related cost
B14	Direct charges	Cost of operating and maintaining the whole sewer system including meeting all legal, statutory and other obligations.

Method of Calculation for Controlled Discharge

The following methodology is used to determine trade waste charges for Controlled Discharge Permits

1. Total Cost of Service (CoS) as determined through the Annual Plan process each year
2. Total Load (B1 to B11) received at the WWTP as determined using weekly composite sampling.
3. Using the above information a cost for each parameter that is used by Council at any particular time to calculate Trade Waste charges is determined (B1-B11)
4. Total Load (B1 to B 11) discharged by a trade waste contributor as determined using weekly or daily composite or similar sampling and or analysis.
5. The trade waste contributor discharged loads is multiplied by the rates as determined above to arrive at the actual charge.

Process

Present process for calculation is;

1. for a business a rolling average of loads discharged to the system during the previous 12 months are used for TW charge calculation at any particular point in time.
2. In June of each year a forecast is made of the expected monthly charge for the following financial year based on the 12 month average loads as at March of the current year and using the CoS for the next year.
3. Quarterly calculations (End September, December and March) are done to inform the trade waste contributors how they are tracking against the forecast.
4. Differences are shown on this quarterly statement and the account is finalised between the parties annually as it stand at 30 June of each year.

Format for calculation of the trade waste categories can be found in Appendix F of this Bylaw.

SCHEDULE 1F: REFERENCED DOCUMENTS

The documents below refers to the latest version including all valid amendments:

- Local Government Act 2002
- Local Government (Rating) Act 2002
- Resource Management Act 1991
- Building Act
- Health Act
- Health and Safety in Employment Act
- Hazardous Substances and New Organisms Act

APPENDIX A: LOCAL GOVERNMENT ACT 2002 (RELEVANT SECTIONS)

Note – This appendix is for information and does not form part of the Bylaw.

162 Injunctions restraining commission of offences and breaches of bylaws

- (1) A District Court may, on the application of a local authority, grant an injunction restraining a person from committing a breach of a bylaw or an offence against this Act.
- (2) An injunction may be granted under subsection (1) –
 - (a) despite anything in any other enactment:
 - (b) whether or not proceedings in relation to the breach or offence have been commenced:
 - (c) if the person is convicted of the breach or offence, –
 - (i) in substitution for, or in addition to, any other penalty; or
 - (ii) in subsequent proceedings.

196 Discharge of trade wastes

- (1) The occupier of trade waste premises within the district of a territorial authority may discharge into the sewerage drains under the control of the territorial authority trade wastes proceeding from those premises either –
 - (a) with the consent of the territorial authority; or
 - (b) without consent if, and to the extent that, the discharge is permitted by trade wastes bylaws.
- (2) This section does not override any trade wastes bylaws, or the Resource Management Act 1991.

239 Offences punishable on summary conviction

- (1) Every person commits an offence and is liable on summary conviction to the penalty set out in section 242(4) or (5) as the case may be, who breaches a bylaw made under Part 8 of this Act.

242 Penalties for offences

- (5) A person who is convicted of an offence against a bylaw made under section 146(a)(iii) (which relates to trade wastes) is liable to a fine not exceeding \$200,000.

**APPENDIX B: APPLICATION FORM – TRADE
WASTE DISCHARGE CONSENT**

1. Applicant Details

Trade Name
or; **Owner**
of **premises**
(if different)

Address

Phone

Mobile

Fax

This Application Relates to: (please tick appropriate box)

Proposed new trade waste discharge

Location of point or place of discharge:

An existing discharge for which no consent exists:

Location of point or place of discharge:

Renewal of a consent

Consent Number:

Variation to an existing consent

Consent Number:

Nature of variation:

Term of Consent Sought:

1 year 2 years 5 years Other (specify)

From (Date):

Office Use Only:

Trade Waste Number:

Application Received
and checked by:

Permitted

Controlled

Conditional

Property Valuation No:

Building Consent No:

Trade Waste Consent:

Received:

Number:

Checked:

Application Fee:

Approved:

Receipt Number:

GL 711 082 70

2. Declaration

Attach additional sheets if required.

Is the premises already connected to the public sewer?

Yes

No

Size : (note minimum size is 100mm)

No:

Size:

No:

Description of main Trade Activity:

Diagram for Connection Location: (Use separate sheet if required)

Show distances from boundaries, kerbs and buildings.

Declaration:

1. I am duly authorised to make this application.
2. I believe that all the information contained in this application is true and correct.

Signature:

Full Name:

Position:

Date:

3. Description of Trade Waste and Premises

General Premises (please print clearly)

Trade Name and Street Address:

Phone: Fax:

Name and Address of Owner/Occupier:

Total Volume of Waste:

Average daily volume: m³
 Maximum volume in any 8 hour period: m³
 Maximum daily volume: m³
 Maximum flow: Litres p/second
 Seasonal fluctuation (range): m³

Source of water used on premises is:

(a) from Council, m³/ working day
 (b) from other sources (state source) , m³/ working day

The waste *do / do not* (delete as applicable) contain condensing water or stormwater and the lay-out of drains on the premises *is / is not* (delete as applicable) such as to reasonably exclude the possibility of such becoming mixed with trade wastes.

It *is / is not* (delete as applicable) proposed that domestic wastewater and trade waste should be discharged at the same point of discharge.

The proposed method for flow measurement is:

A permanent installation of suitable flow measuring equipment
 Based on water usage as measured by meter
 Other (please specify)

List any substances contained in Schedule 1A or 1B of the Trade Waste Bylaw which are stored, used or generated on the premises:

3. Description of Trade Waste and Premises continued

Describe mitigation measures employed to prevent accidental spillage of these substances from entering the public sewer or stormwater system:

Please attach site plans of the premises which clearly show the location of the following:

Process areas	Flow measuring devices	Trade waste drains
Domestic waste	Emergency spill devices	Open areas draining to water drains
Stormwater drains emergency spill containment	Other (specify)	

Main Trade Waste Pre-treatment Systems

Screens	pH control	Flow balance
Chemical treatment	Biological treatment	

Please attach detailed drawings and descriptions for the following (as appropriate):

Pre-treatment systems	Flow measuring devices	Emergency spill containment
Sampling points	Method of flow meter calibration	Open areas draining to water drains.

An independent waste audit of the premises *has / has not* (delete as applicable) been carried out by:

A Discharge Management Plan *is / is not* (delete as applicable) attached.

Please specify the premises health and safety requirements and security arrangements for Wastewater Authority Staff entering the premises:

Process

(please use a separate sheet for each process and attached copies of typical analyses for wastewater from each separate process).

Process name and description:

Type of product processed:

Volume of Wastewater:

Average daily volume:

m³

Maximum daily volume:

m³

Maximum flow:

Litres p/second

If batch discharges:

Quantity:

m³

**APPENDIX C: APPLICATION FORM – TEMPORARY
TRADE WASTE DISCHARGE CONSENT**

1. Applicant Details (please print clearly)

Name

Company

Address

Phone Fax

Applicant responsible for liquid waste

Transportation Generation Licensed transporter

2. Generator/ Transporter of liquid waste (Delete applicant's responsibility)

Name

Company

Address

Phone Fax

3. Application sought for

One discharge

A number of discharges of the same kind of liquid waste over a period of one year.

4. Proposed Point of disposal

If from premises to public sewer, which is existing liquid waste consent number?

5. Proposed timing of disposal

Time Date

6. Liquid Waste

Quantity m³

Source

6. Liquid Waste (continued)

Process in which waste was produced:

General characteristics

BOD₅ mg/L

COD mg/L

Suspended solids mg/L

pH

Oil and grease mg/L

List any characteristics which are likely to be greater than 50% of concentrations stipulated in Schedule 1A of the Trade Waste Bylaw.

7. Analysis (check with Wastewater Authority whether this is required)

Applicant Transporter/ Generator

8. Declaration

We hereby certify that the above liquid waste is accurately described.

Applicants Signature:

Transporter/ Generator:

9. For Office Use Only

Application Number:

Received by:

Date:

Discharge: Approved Not Approved

If approved, where discharged:

Time and Date:

If not approved, where referred to:

Temporary discharge fee:

File No:

APPENDIX D: MODEL TRADE WASTE CONSENT FORM



Model Trade Waste Consent Form

The Wastewater Authority of the Waitomo District Council (WDC) Consent to discharge Trade Waste to the public sewer Pursuant to the WDC Trade Waste Bylaw 2006.

To

(Consent Holder trade name)

Address

(Street address of Trade Premises)

Phone Fax

Name

(Contact name)

Address

(Address for charging and service of documents)

(Trade activity)

In response to, and in terms of, the information declared in your application of to discharge Trade Waste from the above Premises, the Consent of the WWA 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 Waitomo District Council Trade Waste Bylaw 2006 are complied with at all time.
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 of the Trade Waste Bylaw 2006.

For and on behalf of the Wastewater Authority of the Waitomo District Council.

Authorising Officer:

Name:

Signature:

Date:

For Office Use Only

Consent No:

Application No:

File No:

APPENDIX E: COMPOUNDS INHIBITING BIOLOGICAL PROCESSES

(In mg/L)

NI = No Inhibition at the nominated concentrations.
 - indicates that data is not available.

POLLUTANT	ACTIVATED SLUDGE	ANAEROBIC DIGESTION	NITRIFICATION
Acenaphthene	NI at 10	-	-
Acrolein	NI at 62	-	-
Acrylonitrile	NI at 152	5	-
Ammonia	480	1500-3000	-
Arsenic	0.04-0.4	0.1-1	-
Benzene	125	-	-
Benzidine	5	5	-
Boron	0.05-10	2	-
Cadmium	0.5-10	2	-
Calcium	2500	-	-
Carbon tetrachloride	NI at 10	2.9	-
Chlorobenzene	NI at 1	0.96	-
1,2,4-Trichlorobenzene	NI at 6	-	-
Hexachlorobenzene	5	-	-
1,2-Dichloroethane	NI at 258	1	-
1,1,1-Trichloroethane	NI at 10	-	-
Hexachloroethane	NI at 10	-	-
1,1-Dichloroethane	NI at 10	-	-
1,1,2-Trichloroethane	NI at 5	-	-
1,1,2,2-Tetrachloroethane	NI at 201	20	-
Bis-(2-chloroethyl) ether	NI at 10	-	-
2-Chloroethyl ether	NI at 10	-	-
2-Chloronaphthalene	NI at 10	-	-
2,4,6-Trichlorophenol	50	-	-
Para-chloro-meta-cresol	NI at 10	-	-
Chloroform	NI at 10	1	10
2-Chlorophenol	NI at 10	-	-
1,2-Dichlorobenzene	5	0.23	-
1,3-Dichlorobenzene	5	-	-
1,4-Dichlorobenzene	5	1.4	-
1,1-Dichloroethylene	NI at 10	-	-
1,2-trans-dichloroethylene	NI at 10	-	-
2,4-Dichlorophenol	NI at 75	-	-
1,2-Dichlorophenol	NI at 182	-	-
1,3-Dichloropropylene	NI at 10	-	-
2,4-Dimethylphenol	NI at 10	-	-
2,4-Dinitrotoluene	5	-	-
2,6-Dinitrotoluene	5	-	-
1,2-Diphenylhydrazine	5	-	-
Ethylbenzene	NI at 10	-	-
Fluoroanthene	NI at 5	-	-
Bis-(2-Chloropropyl)ether	NI at 10	-	-
Chloride	-	20000	180
Chloromethane	NI at 180	3.3	-
Methylene chloride	-	100	-

POLLUTANT	ACTIVATED SLUDGE	ANAEROBIC DIGESTION	NITRIFICATION
Chloroform	NI at 10	-	-
Dichlorobromoethane	NI at 10	-	-
Trichlorofluoromethane	NI at 10	0.7	-
Chlorodibromomethane	NI at 10	-	-
Hexachlorocyclopentadiene	NI at 10	-	-
Chromium (Tot.)	0.1-20	1.5-50	0.25-1
Chromium (Hex.)	1	50	-
Copper	0.1-1	0.5-100	0.05-0.5
Iodine	10	-	-
Iron	5-500	5	-
Isophorone	NI at 15.4	-	-
Lead	0.1-10	50-250	0.5-1.7
Manganese	10	-	-
Magnesium	-	1000	50
Mercury	0.1-5	1400	2-12.5
Napthalene	500	-	-
Nickel	1-5	2-200	0.25-5
Nitrobenzene	500	-	-
2-Nitrophenol	NI at 10	-	-
4-Nitrophenol	NI at 10	-	-
2,4-Dinitrophenol	1	-	-
N-Nitrosodiphenylamine	NI at 10	-	-
N-Nitroso-di-N-propylamine	NI at 10	-	-
Pentachlorophenol	0.95	0.2	-
Phenol	200	-	4
Bis-(2-ethyl hexyl)phthalate	NI at 10	-	-
Butyl benzyl phthalate	NI at 10	-	-
Di-n-butyl phthalate	NI at 10	-	-
Di-N-octyl phthalate	NI at 16.3	-	-
Diethyl phthalate	NI at 10	-	-
Dimethyl phthalate	NI at 10	-	-
Chrysene	NI at 5	-	-
Acenaphthylene	NI at 10	-	-
Anthracene	500	-	-
Fluorene	NI at 10	-	-
Phenanthrene	500	-	-
Pyrene	NI at 5	-	-
Tetrachloroethylene	NI at 10	20	-
Toluene	NI at 35	-	-
Trichloroethylene	NI at 10	20	-
Aroclor-1242	NI at 1	-	-
Aroclor-1254	NI at 1	-	-
Aroclor-1221	NI at 1	-	-
Aroclor-1232	NI at 10	-	-
Aroclor-1016	NI at 1	-	-
Silver	0.03-5	-	0.25
Sodium	-	3500	-
Sulphide	50	50-100	-
Tin	-	9	-
Vanadium	20	-	-
Zinc	0.3-20	1-10	0.01-1

APPENDIX F: TYPICAL FORMAT OF TRADE WASTE RATE CALCULATIONS

(AS SHOWN IN BYLAW)

Exempt		
Administration	\$0.00	Based on 0.1 hours per year per permit
General Compliance monitoring	\$0.00	Only if assessed as not compliant . Then cost same as for Permitted
		Copper \$0.00
		Lead \$0.00
		Zinc \$0.00
		Manganese \$0.00
		Mercury \$0.00
		Dissolved Aluminium \$0.00
		Total Petroleum Hydrocarbons \$0.00
		SS \$0.00
General Inspection of Trade Waste Premises	\$0.00	Based on 0.25 hour on average every two years
Use of Sewerage System	\$0.00	Use of the Sewerage System @ 130m ³ /annum @ the m ³ rate determined in the Controlled category calculation
Excl GST	\$0.00	
Incl GST	\$0.00	

Permitted		
Administration	\$0.00	Based on 1 hours per year
General Compliance monitoring	\$0.00	Average cost for this category - sample analysis every 5 years
		Copper \$0.00
		Lead \$0.00
		Zinc \$0.00
		Manganese \$0.00
		Mercury \$0.00
		Dissolved Aluminium \$0.00
		Total Petroleum Hydrocarbons \$0.00
		SS \$0.00
General Inspection of Trade Waste Premises	\$0.00	Based on 0.5 hour on average per year
Use of Sewerage System	\$0.00	Use of the Sewerage System @ 130m ³ /annum @ the m ³ rate determined in the Controlled category calculation
Excl GST	\$0.00	
Incl GST	\$0.00	

Conditional		
Administration	\$0.00	Based on 1.5 hours per year
General Compliance monitoring - Average Cost	\$0.00	Average cost for this category -annual sample analysis
		Suspended solids \$0.00
		BOD \$0.00
		Oil and Grease \$0.00
		PH \$0.000
		NH3 \$0.00
		TN \$0.00
		TKN \$0.00
General Inspection of Trade Waste Premises	\$0.00	Based on 1 hour on average per year
Grease trap cleaning	\$0.00	On average traps are emptied every 6 months
Oil Separator cleaning	\$0.00	No cost to WDC cleaned by chemical company
Use of Sewerage System	\$0.00	Use of the Sewerage System @ 130m3/annum @ the m3 rate determined in the Controlled category calculation
Excl GST	\$0.00	
Incl GST	\$0.00	