

CHBDC:Part 23:2008

# **CENTRAL HAWKE'S BAY DISTRICT COUNCIL BYLAWS**



## **Part 23 – Trade Waste**

Superseding Model General NZS 9201:Part 23:2004

# Contents

---

	Appendix	
A	Application for Trade Waste Discharge	29
B	Description of Trade Waste and Premises	31
C	Application for Temporary Discharge	33
D	Consent Form	35
	Schedule	
1A	Permitted Discharge Characteristics	36
	<i>Table</i>	
	1A.1 <i>General Chemical Characteristics</i>	38
	1A.2 <i>Heavy Metals</i>	39
	1A.3 <i>Organic Compounds and Pesticides</i>	39
1B	Prohibited Characteristics	40
1C	System of Charging in Respect of Volume and Strength of Trade Wastes and Special Wastes	41
1D	Fees and Charges	43

**APPENDIX A**

**APPLICATION FOR TRADE WASTE DISCHARGE**

**Central Hawke's Bay District Council**  
**APPLICATION FOR TRADE WASTE DISCHARGE**



**PLEASE PRINT CLEARLY**

**TRADE NAME & STREET ADDRESS OF TRADE PREMISES**

.....  
 .....  
 Phone:.....  
 After Hours Contact:.....  
 Phone:.....  
 Fax:.....

**VALUATION NUMBER**

.....

**LOT NUMBER**

.....

**POSTAL ADDRESS OF CUSTOMER FOR CHARGING**

Name:.....  
 Address:.....  
 .....

**DP NUMBER**

.....

**OWNER OF PREMISES (if different from above)**

Name:.....  
 Address:.....  
 .....

**ARE THE PREMISES ALREADY CONNECTED TO PUBLIC SEWER?**

Yes  No

**CONNECTIONS REQUIRED**

Size:.....No:.....  
 Size:.....No:.....  
*Note – minimum size 100mm*

**TERM OF CONSENT SOUGHT**

From:.....  
 For a period of:  
 1 year  2 year  5 year  other (specify)

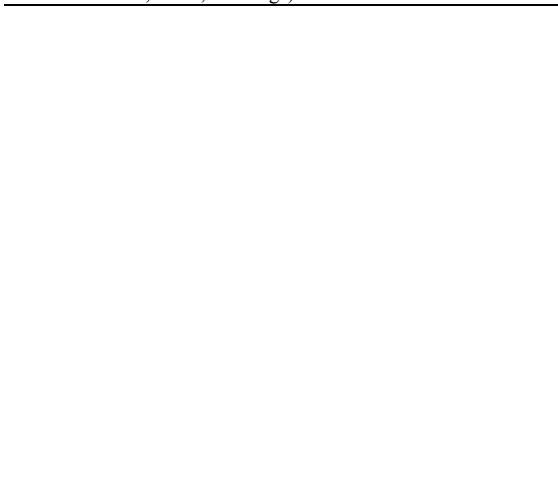
**DESCRIPTION OF MAIN TRADE ACTIVITY**

.....  
 .....  
 .....

**ADDRESS FOR SERVICE FOR FURTHER ENQUIRIES CONCERNING THIS APPLICATION**

NAME:.....  
 ADDRESS:.....  
 PHONE:.....FAX:.....

**DIAGRAM FOR CONNECTION LOCATION (show distances from boundaries, kerbs, buildings)**



**THIS APPLICATION RELATES TO:**

- Proposed new discharge
- An existing discharge for which no consent exists  
 Current point or place of discharge:.....
- Renewal of a consent
- Variation to an existing consent  
 Nature of variation:.....

**SIGNATURE BLOCK**

.....  
(Full name)

.....  
(Position)

- 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:.....

Date:.....

**FOR OFFICE USE ONLY**

**APPLICATION NUMBER**

.....

**APPLICATION RECEIVED AND CHECKED BY**

Inspector/Clerk:..... Date:.....

Permitted

Controlled

Conditional

**PROPERTY LINK IDENTIFICATION NUMBER**

.....

**BUILDING CONSENT NUMBER**

.....

**TRADE WASTE CONSENT**

Approved By:.....

No:..... Date:.....

**APPLICATION FEE**

\$.....

GST \$.....

Total \$.....

Cashier Receipt:.....

File No:.....

**APPENDIX B**


**DESCRIPTION OF TRADE WASTE AND PREMISES**

DESCRIPTION OF TRADE WASTE AND PREMISES - PLEASE PRINT CLEARLY																															
<p>1.1 Trade name and street address                      .....                      .....                      Phone:.....Fax:.....</p> <p>1.2 Name and Address of owner / occupier                      Name:.....                      Address:.....                      .....</p> <p>1.3 Contact for enquiries (if different from above)                      Name:.....                      Address:.....                      .....</p> <p>1.4 Total volume of wastes:                      Average daily volume .....m<sup>3</sup>                      Maximum volume in any 8 hr period .....m<sup>3</sup>                      Maximum daily volume .....m<sup>3</sup>                      Seasonal fluctuation (range) .....</p> <table style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2">1.5 General characteristics of wastes: TYPICAL</td> <td>RANGE</td> </tr> <tr> <td>Temperature</td> <td>.....</td> <td>.....</td> </tr> <tr> <td>BOD<sub>5</sub> (mg/L)</td> <td>.....</td> <td>.....</td> </tr> <tr> <td>COD (mg/L)</td> <td>.....</td> <td>.....</td> </tr> <tr> <td>Suspended solids (mg/L)</td> <td>.....</td> <td>.....</td> </tr> <tr> <td>pH</td> <td>.....</td> <td>.....</td> </tr> <tr> <td>Fat, oil and grease</td> <td>.....</td> <td>.....</td> </tr> <tr> <td>TKN</td> <td>.....</td> <td>.....</td> </tr> <tr> <td>Total Nitrogen</td> <td>.....</td> <td>.....</td> </tr> <tr> <td>Total Phosphorus</td> <td>.....</td> <td>.....</td> </tr> </table> <p>1.6 The source of water used on the premises is:                      (a) from.....Council.....m<sup>3</sup>/working day                      (b) from other sources (<i>state source</i>).....m<sup>3</sup>/working day                      .....</p> <p>1.7 The wastes do/do not, contain condensing water or storm water and the layout of drains on the premises is/is not, such as to reasonably exclude the possibility of such becoming mixed with Trade Wastes.</p> <p>1.8 It is/is not proposed that domestic wastewater and Trade Waste should be discharged at the same point of discharge.</p> <p>1.9 The proposed method for flow measurement is:  <input type="checkbox"/> A permanent installation of suitable flow measuring equipment  <input type="checkbox"/> Based on water usage as measured by meter  <input type="checkbox"/> Other (<i>specify</i>)</p>	1.5 General characteristics of wastes: TYPICAL		RANGE	Temperature	.....	.....	BOD <sub>5</sub> (mg/L)	.....	.....	COD (mg/L)	.....	.....	Suspended solids (mg/L)	.....	.....	pH	.....	.....	Fat, oil and grease	.....	.....	TKN	.....	.....	Total Nitrogen	.....	.....	Total Phosphorus	.....	.....	<p>1.10 List any substances contained in Schedule 1A or 1B of the bylaw which are stored, used, or generated on the premises.                      .....                      .....</p> <p>Describe mitigation measures employed to prevent accidental spillages of these substances from entering the public sewer or storm water system.                      .....</p> <p>1.11 Site plans of the premises are attached which clearly show the location of the following as appropriate:  <input type="checkbox"/> Process areas      <input type="checkbox"/> flow measuring devices  <input type="checkbox"/> Trade waste drains      <input type="checkbox"/> emergency spill  <input type="checkbox"/> Stormwater drains      <input type="checkbox"/> emergency spill  <input type="checkbox"/> Other (<i>specify</i>)</p> <p>Main Trade Waste pre-treatment systems  <input type="checkbox"/> Screens      <input type="checkbox"/> pH control  <input type="checkbox"/> flow balance      <input type="checkbox"/> grease traps  <input type="checkbox"/> chemical treatment      <input type="checkbox"/> biological treatment</p> <p>1.12 Detailed drawings and descriptions for the following are attached as appropriate:  <input type="checkbox"/> Pre-treatment systems  <input type="checkbox"/> Flow measuring devices  <input type="checkbox"/> Emergency spill containment  <input type="checkbox"/> Sampling points  <input type="checkbox"/> Method of flow meter calibration</p> <p>1.13 An independent waste audit of the premises has/has not been carried out by:                      .....</p> <p>1.14 A discharge Management Plan is/is not attached                      .....</p> <p>1.15 The health and safety requirements and security arrangements for wastewater authority staff entering the premises are as follows: (<i>specify</i>)</p>
1.5 General characteristics of wastes: TYPICAL		RANGE																													
Temperature	.....	.....																													
BOD <sub>5</sub> (mg/L)	.....	.....																													
COD (mg/L)	.....	.....																													
Suspended solids (mg/L)	.....	.....																													
pH	.....	.....																													
Fat, oil and grease	.....	.....																													
TKN	.....	.....																													
Total Nitrogen	.....	.....																													
Total Phosphorus	.....	.....																													



**APPENDIX C**

**APPLICATION FOR TEMPORARY DISCHARGE**

<b>CENTRAL HAWKE'S BAY DISTRICT COUNCIL</b>	
<b>APPLICATION FOR TRADE WASTE DISCHARGE</b>	
<b>PLEASE PRINT CLEARLY</b>	

**APPLICANT**

Phone:.....

After Hours Contact:.....

Phone:.....

Fax:.....

Applicant responsible for liquid waste

Transportation

Generation

Licensed transporter

**GENERATOR/TRANSPORTER OF LIQUID WASTE**  
(delete applicant's responsibility)

Name:.....

Company:.....

Address:.....

Phone:.....

Fax:.....

**APPLICATION SOUGHT FOR**

One discharge

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

**PROPOSED POINT OF DISPOSAL**

.....

.....

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

.....

.....

**PROPOSED TIMING OF DISPOSAL**

Time:.....

Date:.....

**LIQUID WASTE**

Quantity:.....m<sup>3</sup>

Source:.....

.....

.....

Process in which waste is produced:.....

.....

.....

.....

General characteristics:

BOD5:..... mg/L

COD:..... mg/L

Suspended solids:..... mg/L

pH:.....

Fat, oil and grease:..... mg/L

TKN:..... mg/L

Total N:..... mg/L

Total P:..... mg/L

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

.....

.....

**ANALYSIS**

Appended

Not required

**DECLARATION**

We hereby certify that the above liquid waste is accurately described

Applicant:.....

Transporter/Generator:.....

**FOR OFFICE USE ONLY**

**APPLICATION NUMBER**

.....

**TEMPORARY DISCHARGE FEE**

\$.....

GST \$.....

-----

TOTAL

-----

**APPLICATION**

Received by:.....Date:.....

Discharge:

Approved

Not approved

By:.....

Date:.....

Cashier Receipt:.....

**TEMPORARY DISCHARGE**

If approved:

Where discharged:.....

Time and date:.....

If not approved:

Where referred to:.....

.....

.....

File NO:.....

**APPENDIX D**

**CONSENT FORM**

**CENTRAL HAWKE'S BAY DISTRICT COUNCIL  
 CONSENT TO DISCHARGE TRADE WASTE TO THE PUBLIC SEWER  
 Pursuant to the Council Trade Wastes Bylaw 2008**



**PLEASE PRINT CLEARLY**

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 CHBDC 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 Central Hawke's Bay District Council Trade Waste Bylaw 08 are complied with at all times.
4. That this consent is valid for a period of..... years and will expire on.....
5. That the Trade Waste discharged under this consent shall consist only of wastes from the following processes:

.....  
 .....  
 .....  
 .....

6. That this consent is subject to the specific conditions set out in Schedule 1A which is attached.

For and on behalf of the Central Hawke's Bay District Council (CHBDC)

Authorised Officer:

Name:.....

Signature:.....

Date:.....

**FOR OFFICE USE ONLY**

Consent No:.....

Application No:.....

File No:.....

## **SCHEDULE 1A**

### **PERMITTED DISCHARGE CHARACTERISTICS**

#### **1A.1** *Introduction*

- 1A.1.1** The nature and levels of the characteristics of any Trade Waste discharged into Council system shall comply at all times with the following requirements, except where the nature and levels of such characteristics are varied by Council as part of an approval to discharge a Trade Waste.
- 1A.1.2** 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 Council believes are appropriate.
- 1A.1.3** An additional column in Tables 1A.1, 1A.2 and 1A.3 for Mass Limits may be added as required.
- 1A.1.4** The nature and levels of any characteristic may be varied to meet any new resource consents or other legal requirements imposed on Council, refer to Section 2305.9 of the bylaw.

#### **1A.2 Physical Characteristics**

##### **1A.2.1** *Flow*

- (a) The 24 hour flow volume shall be less than 5m<sup>3</sup>.
- (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 15mm.
- (b) The suspended solids content of any Trade Waste shall have a Maximum Concentration which shall not exceed 1000g/m<sup>3</sup>.
- (c) The settleable solids content of any Trade Waste shall not exceed 50mL/L.
- (d) The total dissolved solids concentration in any Trade Waste shall be subject to the approval of Council having regard to the volume of the waste to be discharged, and the suitability of the drainage system and the treatment plant to accept such waste.
- (e) Fibrous, woven, or sheet film or any other materials which may adversely interfere with the free flow of sewage in the drainage system or treatment plant shall not be present.

##### **1A.2.4** *Oil and Grease*

- (a) There shall be no free or floating layer.
- (b) A Trade Waste with mineral oil, fat or grease unavoidably emulsified, which in the opinion of Council is not biodegradable shall not exceed 200g/m<sup>3</sup> 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 Council is biodegradable shall not exceed  $500\text{g/m}^3$  when the emulsion is stable at a temperature of  $15^\circ\text{C}$  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  $100\text{g/m}^3$  as petroleum ether extractable matter 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  $100\text{g/m}^3$  or the concentration agreed with Council.
- (b) 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 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 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 9.0 at all times.

#### **1A.3.2 Organic Strength**

##### **1A.3.2.1** The Biochemical Oxygen Demand ( $\text{BOD}_5$ ) of any waste may require to be restricted where the capacity for receiving and treating $\text{BOD}_5$ is limited. A $\text{BOD}_5$ restriction may be related to Mass Limits.

Where there is no Council treatment for organic removal the  $\text{BOD}_5$  shall not exceed  $100\text{g/m}^3$ . For Significant Industry this may be increased to  $600\text{g/m}^3$ .

**Table 1A.1 - GENERAL CHEMICAL CHARACTERISTICS**  
**(Mass Limits may be imposed, refer to Section 2306.2)**

<b>Characteristics</b>	<b>Maximum Concentration (g/m<sup>3</sup>)</b>
MBAS (Methylene blue active substances)	500
Ammonia (measured as N) - free ammonia - ammonia salts	50 200
Kjeldahl nitrogen	150
Total Nitrogen	150
Total Phosphorous (as P)	50
Sulphate (measured as SO <sub>4</sub> )	200
Sulphite (measured as SO <sub>2</sub> )	10
Sulphide - as H <sub>2</sub> S on acidification	1
Chlorine (measured as Cl <sub>2</sub> ) - free chlorine - hypochlorite	3 30
Dissolved aluminium	100
Dissolved iron	100
Boron (as B)	25
Bromine (as Br <sub>2</sub> )	5
Flouride (as F)	30
Cyanide - weak acid dissociable (as CN)	1

**Table 1A.2 - HEAVY METALS**

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

**Table 1A.3 - ORGANIC COMPOUNDS AND PESTICIDES**  
**(Mass Limits may be imposed, refer to Section 2306.2)**

<b>Compound</b>	<b>Maximum Concentration (g/m<sup>3</sup>)</b>
Formaldehyde (as HCHO)	50
Phenolic compounds (as phenols) excluding chlorinated phenols	5
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 in New Zealand).	0.2 in total
Organophosphate pesticides	0.1

## **SCHEDULE 1B**

### **PROHIBITED CHARACTERISTICS**

**1B.1 Introduction** - This schedule defines Prohibited Trade Wastes.

#### **1B.2 Prohibited characteristics**

**1B.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.

**1.B.2.2** A 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.

**1.B.2.3** A 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;
- (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. 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 sewerage system by NZS 4304 or any pathological or histological wastes; or
- (h) radioactivity levels in excess of the National Radiation Laboratory Guidelines.

**1.B.2.3** Any Condensing Water or Stormwater which can practically be removed, or any Trade Wastes to which either Condensing Water or Stormwater has been added.

## **SCHEDULE 1C**

### **SYSTEM OF CHARGING IN RESPECT OF VOLUME AND STRENGTH OF TRADE WASTES AND SPECIAL WASTES**

1. Trade Wastes producers will be charged the actual cost involved in treating the Trade Wastes received by Council into the sewer or treatment plant.
2. The total cost to Council of receiving, conveying, treating and disposing of wastewater from within its district is made up of capital, maintenance, operating consumables, labour and administration costs.
3. The costs for each discharger of wastewater are apportioned to volume, Biochemical Oxygen Demand (BOD<sub>5</sub>), Inert Suspended Solids (ISS), Volatile Suspended Solids (VSS), total nitrogen (TN) and total phosphorous (TP) of discharged wastewater, and summed to give the total costs of reticulation to, and treatment at, the treatment plant.
4. The average annual volume in cubic metres of all sewage, wastes etc. received at the Council's treatment plant where the Trade Wastes are treated, during each subsequent financial year, is designated as Q (m<sup>3</sup>/year).
5. The average annual BOD<sub>5</sub> in kilograms of all sewage wastes etc. received at the Council's treatment plant where the Trade Wastes are treated, during each financial year shall be designated as B<sub>w</sub> (kg/year).
6. The average annual ISS in kilograms of all sewage wastes etc. received at the Council's treatment plant where the Trade Wastes are treated, during each financial year shall be designated as D<sub>w</sub> (kg/year).
7. The average annual VSS in kilograms of all sewage wastes etc. received at the Council's treatment plant where the Trade Wastes are treated, during each financial year shall be designated as E<sub>w</sub> (kg/year).
8. The average annual TN in kilograms of all sewage wastes etc. received at the Council's treatment plant where the Trade Wastes are treated, during each financial year shall be designated as F<sub>w</sub> (kg/year).
9. The average annual TP in kilograms of all sewage wastes etc. received at the Council's treatment plant where the Trade Wastes are treated, during each financial year shall be designated as G<sub>w</sub> (kg/year).
10. The estimated annual cost of receiving and disposing of (but not treatment) all such sewage during each subsequent financial year is designated as C<sub>1</sub> (\$).
11. The estimated annual costs to the Council for treatment of all sewage during each financial year is designated as C<sub>2</sub> (\$), and apportioned to volume, BOD<sub>5</sub>, ISS, VSS, TN and TP on a site specific basis relating to wastewater treatment processes. The estimated apportionment of costs is shown below, however Council reserves the right to amend the basis of apportionment based on actual operational costs incurred in a given financial year.

WwTP	% of total operational treatment cost apportioned to					
	Volume	BOD <sub>5</sub>	ISS	VSS	TN	TP
Waipukurau*	33%	45%	14%	6%	1%	1%
Waipawa*	46%	26%	17%	7%	2%	2%
Other WwTP	To be confirmed on an individual basis					

\* Based on existing pond-based treatment processes; to be revised following future upgrades

12. Charges in respect of volume of wastes shall be based on either the measured volume of wastewater discharged from the premises or the volume estimated from the measured volume of water entering the premises during the period corresponding most closely with each financial year. This volume shall be designated as V (m<sup>3</sup>/year).
13. The charges in respect of BOD<sub>5</sub>, ISS, VSS, TN and TP shall be based on the measured composition of wastewater discharged from the premises during the period corresponding most closely with each financial year. This BOD<sub>5</sub>, ISS, VSS, TN and TP shall be respectively designated B<sub>T</sub>, D<sub>T</sub>, E<sub>T</sub>, F<sub>T</sub>, and G<sub>T</sub> (kg/year).
14. The charge provided for in Section 2308.3.1 for each financial year levied by the Council on the occupier shall be calculated using the following formula:

Annual Trade Waste Charge =

$$\left( C_1 \times \frac{V}{Q} \right) + \left[ C_2 \times \left[ \left( \frac{V}{Q} \times Volume \right) + \left( \frac{B_T}{B_W} \times BOD_5 \right) + \left( \frac{D_T}{D_W} \times ISS \right) + \left( \frac{E_T}{E_W} \times VSS \right) + \left( \frac{F_T}{F_W} \times TN \right) + \left( \frac{G_T}{G_W} \times TP \right) \right] \right]$$

Where Volume, BOD<sub>5</sub>, ISS, VSS, TN and TP should be replaced by the relevant percentages shown in (11) above.

In calculating any such charge any domestic sewage discharged from the premises affected shall be deemed to be Trade Wastes.

15. Pursuant to Section 2307, the occupier shall also be levied all reasonable costs incurred by Council to measure the discharge volume or characterise the discharged wastewater as required to determine (12) and (13) above.
16. Where the Trade Waste charge calculated, is less than the uniform water closet / urinal charge which would be applicable to this property, then the uniform water closet / urinal charge will apply.
17. Council reserves the right to amend this Trade Waste charging system as required to recover actual operational costs relating to wastewater reticulation, treatment and disposal.

## **SCHEDULE 1D**

Fees and charges are set by Council resolution. This may be done by the annual planning process, fee setting or a similar transparent public process in accordance with the LGA.

In the following Table the Council states what categories they will charge, or may charge, under the tenure of this bylaw.

<b>A. Administrative Charges</b>	
<b>Category</b>	<b>Description</b>
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 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.
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 Council's costs associated with for example: <ul style="list-style-type: none"> <li>(a) Administration</li> <li>(b) General compliance monitoring</li> <li>(c) General inspection of Trade Waste Premises</li> <li>(d) Use of the sewerage system</li> </ul> This charge may vary depending on the Trade Waste sector and category of the discharger.
A9 Rebates for Trade Premises within the District	Reduction of fees is provided for in s. 150(2). Section 150(4) of the LGA 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 Premises	Pay the annual fees and a pro rata proportion of the various Trade Waste charges relative to flows and loads.

<b>B Trade Waste Charges</b>	
<b>Category</b>	<b>Description</b>
B1 Volume	Payment based on the volume discharged $\$/m^3$
B2 Flow Rate	Payment based on the flow rate discharged $\$/s$
B3 Suspended Solids	Payment based on the mass of suspended solids $\$/kg$
B4 Organic Loading	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 Transmissivity	A charge based on the inhibiting nature of the Trade Waste to UV light used by Council's disinfection process.
B9 Screenable Solids	Payment based on the mass of screenable solids $\$/kg$ .
B10 Toxicity Charge	Payment based on the defined form(s) of the toxic substance(s) $\$/kg$ and/or $\$/m^3$
B11 Incentive Rebate	A rebate for discharging materials beneficial to Council's Sewerage System $\$/kg$ and/or $\$/m^3$
B12 Depreciation	Operating cost related to capital and normally spread across the volume and mass charges.
B13 Capital	Apportioned upfront or term commitment capital cost of specific infrastructure required to accommodate a conditional consent.
<b>C Tankered Waste Charges</b>	
C1 Tankered Wastes	Set as a fee(s) per tanker load, or as a fee(s) per cubic metre, dependant on Trade Waste category.
C2 Toxicity	Payment based on the defined form(s) of the toxic substance(s) $\$/kg$ and/or $\$/m^3$