

Primary Business Activity	Trade Premises	Discharge Category
Agriculture	Dog Groomers	Conditional
	Dog Kennels	Conditional
	Pet shop (retail)	Conditional
	Stables / Animal holding facility	Conditional
	Veterinary	Conditional
Automotive	Fuel supply / petrol stations/ airport	Conditional
	Auto Recycler	Conditional
	Car Detailing	Conditional
	Mechanical workshop	Conditional
	Panel beating and spray painting	Conditional
	Radiator Repairer	Conditional
	Vehicle Washing, Washing by hand	Conditional
	Vehicle Washing, Mechanical	Conditional
	Vehicle washing and degreasing of engine and under body Roofed	Conditional
Barber/Hairdresser/Beautician	Beautician	Acceptable
	Hair dressing salon	Acceptable
Engineering	Engine / gearbox reconditioning, parts washing	Conditional
	Mechanical workshop	Conditional
	Ceramics and Pottery	Conditional
	Lawn Mower Repairs	Conditional
Food Services	Premises that prepare and/or serve hot food, or foods that generate greasy/oily waste	Conditional
	Restaurant, bistro, delicatessen, fast food outlet, food caravan, pizzeria, sandwich shop, snack bar, takeaway outlets,	Conditional
	Café, canteen, cafeteria, coffee shop/lounge, bakery (retail only)	Conditional
	Daycare centre, school, polytechnic, university Residential care facility (retirement home, nursing home)	Conditional
	Butcher, fishmonger (retail only)	Conditional
	Comercial kitchen/caterer (retail only)	Conditional
	Sales/Eating	Conditional
	Hotel, Motel, club (with restaurant)	Conditional
Healthcare	Clinics	Conditional
	Dental Clinics	Conditional
	Dentists	Conditional
	Food Preparation	Conditional
	Geothermal Waste Fluids	Conditional
Laundry / Dry Cleaning / Textile Cleaning	Carpet cleaning mobile units	Conditional
	Laundromat	Conditional
	Laundry	Conditional
	Laundry, (Hospital, hotel, nursing home)	Conditional
Transportation- Distributor / Bus Companies / Rental Companies	Public Transport Fleet	Conditional
	Vehicle Washing, Washing by hand	Conditional
	Vehicle Washing, Mechanical	Conditional
	Vehicle washing and degreasing of engine and under body Roofed	Conditional
Timber - Sawmills / Processing / Distribution / Firewood	Building Construction	Conditional
	Cooling Tower and Boiler blow down.	Conditional
	No treatment chemicals containing chromium to be used, and this is the only form of trade wastewater from the site. Discharge should not exceed 2 litres per second.	Conditional
	Boiler Blowdown	Conditional
Scrap Metal / Recycling / Demolition / Rubbish Collection/ Concrete	Building Construction	Conditional
	Garbage Can cleaning	Conditional
	Hotels/restaurants etc.	Conditional
	Concrete batching	Conditional
	Battery Room	Conditional
	Auto Recycler	Conditional
Hospitality - Hotel / Motel / Residential Care / Child Care	Hostels	Conditional
	Hotel (with counter lunches or restaurant)	Conditional
	Motel kitchen/Restaurant	Conditional
Tourist Facility	Function Centre	Conditional
	Garbage Can Cleaning	Conditional
	Hotels/restaurants etc.	Conditional
Other	Laboratory (School)	Conditional
	Laboratory (small hospital and university lab, pathology lab and morgue)	Conditional
	Mobile Businesses	Conditional
	Morgue	Conditional
	Optical Processes (Grinding of glass and plastic)	Conditional
	Printing – Lithographic	Conditional
	Photographic Processing and Developing	Conditional
Recreation	Public swimming pool or Aquatic centres.	Conditional
Abattoir/ Food Processing	Processing plants	Conditional

Code	Characteristic	Lower Limit	Upper Limit	Units
Al	Aluminium (dissolved)	0	300	g/m ³
Al	Aliphatic Compounds	0	1	g/m ³
As-SS	Arsenic-SS	0	5	g/m ³
Diss As-SW	Dissolved Arsenic-SW	0	0.04	g/m ³
B-SS	Boron-SS	0	25	g/m ³
Diss B-SW	Dissolved Boron-SW	0	0.05	g/m ³
BOD	Biological Oxygen Demand	0	1000	g/m ³
CCD	Chlorine/Caustic/Detergent Products			
Cd-SS	Cadmium-SS	0	0.5	g/m ³
Diss Cd-SW	Dissolved Cadmium-SW	0	0.004	g/m ³
CL	Colour	0		Hazen Units
Cr-SS	Chromium-SS	0	5	g/m ³
Diss Cr-SW	Dissolved Chromium-SW	0	0.04	g/m ³
Cu-SS	Copper-SS	0	10	g/m ³
Diss Cu-SW	Dissolved Copper-SW	0	0.8	g/m ³
EC	E.coli	0	260	MPN/100mls
EM	Emulsions/Paint, Adhesives, Tar, Plastic, Rubber			
FV24	Flow-Volume over 24 hrs	0	5	m ³
FOG	Food - Oil and Grease	0	100	g/m ³
FA	Formaldehyde	1	50	g/m ³
FRI	Instantaneous Flow Rate	0	2	l/s
GFW	Geothermal Fluid Wastes	0		g/m ³
H	Hair			
Hg	Mercury	0	0.005	g/m ³
HM	Heavy Metals	0	30	g/m ³
Methanol	Methanol	0	10	g/m ³
NH ₄ -SS	Ammonia Nitrogen-SS	0	200	g/m ³
Diss-NH ₄ -SW	Dissolved Ammonia Nitrogen-SW	0	0.525	g/m ³
Ni-SS	Nickel-SS	0	10	g/m ³
Diss-Ni-SW	Dissolved Nickel-SW	0	0.08	g/m ³
OS-SS	Organic Strength (cBOD ₅)-SS	0	1000	g/m ³
OS-SW	Organic Strength (cBOD ₅ , COD)-SW	0	50	g/m ³
Organo	Organophosphate Biocide	0	0.1	g/m ³
	Phenolic Compounds	0	50	g/m ³
PAH	Polycyclic Aromatic Hydrocarbons	0	0.05	g/m ³
Pb-SS	Lead-SS	0	10	g/m ³
Diss-Pb-SW	Dissolved Lead-SW	0	0.04	g/m ³
pH-SW	pH-SW	6.5	8.5	pH units
pH-SS	pH-SS	6	10	pH units
Diss-P-SW	Dissolved Phosphates-SW	0	0.825	g/m ³
Solvent	MIBK-Methypentan	0	1	g/m ³
Solvent	Methylene Chloride	0	1	g/m ³
Solvent	Toluene	0	5	g/m ³
SS-SS	Solids-SS	0	2000	g/m ³
SV	Solvents	0	30	g/m ³
Temp	Temperature	0	50	°C
TKN	Total Kjeldahl Nitrogen	0	150	g/m ³
TN-SW	Total Nitrogen-SW	0	17	g/m ³
TOG	Total Oil and Grease	0	100	g/m ³
TPH-SS	Total Petroleum Hydrocarbons-SS	0	30	g/m ³
TPH-SW	Total Petroleum Hydrocarbons-SW	0	15	g/m ³
TSS	Total Suspended Solids	0	150	g/m ³
VOC	Volatile Organic Compounds	0	30	g/m ³
Zn-SS	Zinc-SS	0	10	g/m ³
Diss-Zn-SW	Dissolved Zinc-SW	0	4	g/m ³

SS	Sewer System
SW	Stormwater System

If no designation they are limits for sewer only.

Trade & Business Activities	Process	Threats to the District Council's Stormwater and Sewerage system	Minimum Pre-treatment requirements and tips on how to conserve water
Agriculture / Animal Care / Veterinarians	Dog Groomers		<ul style="list-style-type: none"> Consider no connection to sewer. If connected to, sewerage system, install an authorised in-floor dry basket arrestor. <p>Water conservation tip Use trigger nozzles on hoses when washing.</p>
	Dog Kennels	Suspended solids	<ul style="list-style-type: none"> Authorised in-floor basket arrestor. Dry arrestor pit. The design should ensure that no unroofed runs can drain to sewer. No organophosphorus pesticide to sewer. Animal faeces should be collected and put in the garbage. <p>Water conservation tip Use trigger nozzles on hoses.</p>
	Pet shop (retail)	Solids	<p>Install:</p> <ul style="list-style-type: none"> An authorised in-sink dry basket arrestor An authorised in-floor dry basket arrestor.
	Stables / Animal holding facility.	Suspended solids	<ul style="list-style-type: none"> Authorised in-floor dry basket arrestor and dry arrestor pit. Open area controls where applicable. If sand is used on stable floor, a 1,000L general purpose pit needs to be installed.
	Veterinary	Suspended solids	<ul style="list-style-type: none"> Authorised in-floor dry basket arrestor. Dry arrestor pit. The design should ensure that no unroofed runs can drain to sewer. Animal faeces should be collected and put in the garbage.

Trade & Business Activities	Process	Threats to the District Council's Stormwater and Sewerage system	Minimum Pre-treatment requirements and tips on how to conserve water
Automotive - Service Station / Motor Workshop / Heavy Machinery / Dismantlers	Auto Recycler	Oil, grease, kerosene, solids, petroleum Hydrocarbons, metals, Suspended Solids	<ul style="list-style-type: none"> See booklet: Managing tradewaste water in the motor vehicle industry and fact sheet: <i>Auto recyclers</i>. Discuss with Customer Service Representative. An oil/water separator system sized according to the influent rate. Collection pit with an operating capacity of at least 500 litres.
	Car Detailing	Oil, grease, Suspended Solids, petroleum Hydrocarbons, volatile Halocarbons, flammables	<ul style="list-style-type: none"> See booklet: Managing trade wastewater in the motor vehicle industry. Oil/water separation system with minimum size of one hour retention. Size to be determined by flow rate.
	Mechanical workshop	Oil, grease, kerosene, Solids, petroleum Hydrocarbons, metals, Suspended Solids	<ul style="list-style-type: none"> See booklet: Managing tradewaste water in the motor vehicle industry and fact sheet: <i>Mechanical Workshops</i>. An oil/water separator system sized according to the influent rate.
	Panel beating and spray painting	Oil, grease, Suspended Solids, Hydrocarbons, solvents	<ul style="list-style-type: none"> See booklet: Managing tradewaste water in the motor vehicle industry and fact sheet: <i>Panel beaters and smash repairs</i>.
	Radiator Repairer	Suspended Solids, pH, heavy metals such as lead, copper, iron, aluminium, zinc, cadmium	<ul style="list-style-type: none"> Discuss with Customer Service Representative. See booklet: Managing trade wastewater in the motor vehicle industry and fact sheet: <i>Radiator repairers</i>. Consider recycling the wastewater within the business. Capture the radiator fluid in a tray or container before removing the radiator from the vehicle. Where possible, re-use radiator fluid, otherwise capture and store it for off-site removal by a DEC licensed contractor. Prior to solids removal adjust pH to 9-10 (settlement and filtration). Before discharge to sewer adjust pH to 7-10. Floor must be bunded to prevent spillage draining to sewer.
	Vehicle Washing, Washing by hand	Oil, grease, Suspended Solids, Hydrocarbons, solvents	<ul style="list-style-type: none"> See booklet: Managing trade wastewater in the motor vehicle industry. No discharge of solvents to sewer allowed. See Councils Rotorua Civil Engineering Industry Standard guidelines "Vehicle and plant wash facility Pollution Control Requirements". Water conservation tip: Use high pressure hoses or hoses with trigger nozzles.
	Vehicle Washing, Mechanical	Oil, grease, Suspended Solids, Hydrocarbons, solvents	<ul style="list-style-type: none"> Discuss with Customer Service Representative. See booklet: Managing trade wastewater in the motor vehicle industry. Councils Rotorua Civil Engineering Industry Standard guidelines "Vehicle and plant wash facility Pollution Control Requirements". No discharge of solvents to sewer allowed. Store separately. Water conservation tip: Install a multi stage pit/tank with re-use of water pumped from last compartment for wetting and washing. Clean water used only for final rinse.
	Vehicle washing and degreasing of engine and under body Roofed	Oil, grease, Suspended Solids, Hydrocarbons, solvents	<ul style="list-style-type: none"> Discuss with Customer Service Representative. See booklet: Managing trade wastewater in the motor vehicle industry. No discharge of solvents to sewer allowed. Install an authorised oil/water separation system within a roofed and bunded area. The minimum size is one kL/hour. Roof and bund wash area to exclude rainwater, but include wash water. solvents to sewer allowed. Store separately. No discharge of
Vehicle Washing, Residential car wash	Oil, grease, Suspended Solids	<ul style="list-style-type: none"> Use trade waste consented vehicle washes that are connected to the sewer. 	

Marine dealership & workshop

Motor Renovation/Repairs

Oil Suppliers

Paint/Panel

Plant/Service

Radiator Repairs

Sand Blasting/Paint Shop

Service Station (Forecourt mgmt)

Service Station (NO Forecourt Mgmt)

Service Station (Wash Bay/ Carwash)

Service Station/Workshop

Sewage-Dump station

Site Yard Stormwater Discharge

Valet - Fixed Premises

Valet - Mobile Operations

Workshop-Plant & Servicing

Workshop-Specialist

Trade & Business Activities	Process	Threats to the District Council's Stormwater and Sewerage system	Minimum Pre-treatment requirements and tips on how to conserve water
Beautician / Hairdresser	Beautician Acceptable		No requirements - No consent required
	Hairdressing Salon Acceptable	Hair	<p>(i) prevent hair and other solid materials from entering the public wastewater system; and (ii) collected material is emptied into a bin for disposal. Discharge of concentrated, hazardous or prohibited substances to the public wastewater system is not permitted.</p> <ul style="list-style-type: none"> Install: an authorised in-sink dry basket arrestor or screening device.

Trade & Business Activities	Process	Threats to the District Council's Stormwater and Sewerage system	Minimum Pre-treatment requirements and tips on how to conserve water
Engineering / Manufacturing / Workshop / Sandblasting	Engine / gearbox reconditioning, parts washing	Lead, Kerosene, Oil, Grease, Suspended solids, Petroleum Hydrocarbons, pH, BOD, Zinc	<ul style="list-style-type: none"> See booklet: Managing trade wastewater in the motor vehicle industry and fact sheet: Engine reconditioners. Discharge to sewer from work areas must be treated by an oil/water separation system sized according to influent flow rate.
	Mechanical workshop	Oil, Grease, kerosene, Solids, Petroleum Hydrocarbons, Metals, Suspended Solids	<ul style="list-style-type: none"> See booklet: Managing trade wastewater in the motor vehicle industry and fact sheet: Mechanical workshops. An oil/water separator system sized according to the influent flow rate.
	Ceramics and Pottery	Suspended Solids	<ul style="list-style-type: none"> Sedimentation pre-treatment Under sink plaster arrestor or general purpose arrestor
	Lawn Mower Repairs	Oil, Grease, Grass, Solids, Petroleum Hydrocarbons	<ul style="list-style-type: none"> Gross solids removal. Oil/water separation system sized according to the influent flow rate. Minimum size is 1kt/hour. Roofed and banded to exclude rainwater. No pesticides or herbicides to sewer.

Conditional Discharge Characteristics	Maximum Concentrations (g/m ³)	Remarks
Oil and Grease	There shall be no free or floating layer. Fat, oil, or grease shall not exceed 100 g/m ³ .	Oils and greases can cause sewer blockages, may adversely effect the treatment process, and may impair the aesthetics of the receiving water. Where the treatment plant discharges to sensitive receiving water, lower values should be considered.
Solids	The suspended solids content of any wastewater shall have a maximum concentration which shall not exceed 2000 g/m ³ .	Non-faecal gross solids shall have a maximum dimension, which shall not exceed 15 mm, and gross solids shall have an acquiescent settling velocity, which shall not exceed 50 mm/minute.
	The settleable solids content of any wastewater shall not exceed 50 ml/L.	Gross & high solids can cause sewer blockages.
Total Petroleum Hydrocarbons	30 g/m ³	Petroleum hydrocarbons may adversely affect the safety of operations & maintenance personnel.

+	Antimony as Sb	10	<p>Heavy metals have the potential to:</p> <p>a. impair the sewerage treatment process</p> <p>b. impact on the receiving environment</p> <p>c. limit the reuse of sludge and effluent</p> <p>Where any of these factors are critical local acceptance limits are applied</p> <p>The concentration for chromium includes all valent forms of the element.</p> <p>Chromium (VI) is considered to be more toxic than chromium (III), and for a discharge where chromium (III) makes up a large proportion of the characteristic, higher concentration limits may be acceptable. Specialist advice should be</p>	<p>+ Heavy metal shall be accepted up to the maximum concentrations given only when specifically approved.</p>
+	Arsenic as As	5		
+	Barium as Ba	10		
+	Beryllium as Be	0.005		
+	Cadmium as Cd	0.5		
+	Chromium as Cr	5		
+	Cobalt as Co	10		
+	Copper as Cu	10		
+	Lead as Pb	10		
+	Manganese as Mn	20		
+	Mercury as Hg	0.005		
+	Molybdenum as Mo	10		
+	Silver as Ag	2		
+	Nickel as Ni	10		
+	Selenium as Se	10		
+	Thallium as Th	10		
+	Tin as Sn	20		
+	Zinc Zn	10		

Trade & Business Activities	Process	Threats to the District Council's Stormwater and Sewerage systems	Minimum Pre-treatment requirements and tips on how to conserve water
Food - All Types - Bakery / Butchery / Processing / Cafe / Restaurants	Bakery (retail) – hot bread (No pies or sausage rolls cooked on site)	BOD, Suspended Solids, Grease	<ul style="list-style-type: none"> Dry floor sweeping or vacuuming before washing. In food preparation and handling areas install: <ul style="list-style-type: none"> An authorised in-sink dry basket arrester An authorised in-floor dry basket arrester See booklet: <i>Managing trade wastewater in the food service industry.</i> The fat and oil generated by barbecuing processes, and discrete oil must be collected for recycling and must not drain directly to a grease trap or to the sewer. Only the wash water can drain to the sewer via the grease trap. Place a container under the fat outlet of cooking vats or other cooking equipment to collect the entire volume of fat produced over the production day. The fat must be placed in containers for collection by DEC authorised oil and fat recyclers. These containers must be stored in a bundled area. The minimum pre-treatment equipment for steam oven barbecuing of chickens or gas vat barbecuing of duck and pork consists of 2,000 litre grease trap with a minimum initial pump out frequency of three weeks, and the installation of a compact oil and grease removal apparatus upstream of grease trap. For charcoal barbecuing of chicken and hot plate barbecuing of all meats, the minimum pre-treatment equipment is a 1,000 litre grease trap.
	Barbecuing processes	BOD, Suspended Solids, Grease	<ul style="list-style-type: none"> See booklet: <i>Managing trade wastewater in the food service industry.</i> Grease trap with the final capacity equivalent to the volume of wastewater discharged in one hour at maximum flow. Minimum capacity of 1,000 litres equivalent.
	Butcher	BOD, Suspended Solids, Grease	<ul style="list-style-type: none"> See booklet: <i>Managing trade wastewater in the food service industry.</i> Grease trap with the final capacity equivalent to the volume of wastewater discharged in one hour at maximum flow. Minimum capacity of 1,000 litres equivalent.
	Chicken (fresh) retail only, with cutting and preparation of fresh meat	BOD, Suspended Solids, Grease	<ul style="list-style-type: none"> See Food Service Industry Section.
	Chicken Cooking Onsite (BBQ, charcoal, rotisserie)	BOD, Suspended Solids, Grease	<ul style="list-style-type: none"> See booklet: <i>Managing trade wastewater in the food service industry.</i> Grease trap with the final capacity equivalent to the volume of wastewater discharged in one hour at maximum flow. Minimum capacity of 1,000 litres. Authorised in-floor dry basket arrester in food preparation area. All floor wastes must drain to a grease trap.
	Coffee shop / Sandwich shop No cooking on site (Permitted)	Suspended Solids	<ul style="list-style-type: none"> Requires a written declaration that no hot food is/will be prepared or served on site
	Commercial kitchen / Caterer / Wholesale foods (Discharging less than 12 m ³ per day)	BOD, Suspended Solids, Grease	<ul style="list-style-type: none"> See booklet: <i>Managing trade wastewater in the food service industry.</i> Grease trap with the final capacity equivalent to the volume of wastewater discharged in one hour at maximum flow. Minimum capacity of 1,000 litres (or Sydney Water equivalent). If volume of wastewater exceeds 12kL per day, refer to Trade waste policy and the Trade waste management plan for industrial customers. A consultant is recommended. In food preparation and handling areas install: <ul style="list-style-type: none"> an authorised in-sink dry basket arrester an authorised in-floor dry basket arrester
	Community Hall kitchens Minimal hot food	BOD, Suspended Solids, Grease	<ul style="list-style-type: none"> Food, Oil, and Grease, pre-treatment.
	Dairy Products Including milk, butter, cheese, yoghurt, ice-cream		<ul style="list-style-type: none"> See Food Service Industry section.
	Day Care centre with food cooked and served on site	BOD, Suspended Solids, Grease	<ul style="list-style-type: none"> See food industry
	Day Care centre with no hot food prepared or served on site (Permitted)		<ul style="list-style-type: none"> No pre-treatment.
	Doughnuts – Cooking	Grease	<ul style="list-style-type: none"> See Food Service Industry section.
	Fish – fresh (retail) No cooking on site	Suspended Solids (e.g. scales and fish gut)	<ul style="list-style-type: none"> All drainage from sinks and floor wastes must pass through a basket trap. If wastewater discharge is more than 12kL per day, then refer to Trade waste policy and the Trade waste management plan for industrial customers. A consultant is recommended.
	Food Service Industry including: <ul style="list-style-type: none"> Bakery with cooking pies and sausage rolls Boarding house Cafe, canteen, cafeteria Chicken fresh Coffee shop with hot food Delicatessen with cookline Desert restaurant Doughnuts – cooking Fast food outlets Fish shop with cooking Function centre Hotel Hostels Icecream parlour with hot food and takeaway Motel kitchen Nursing home kitchen Pies and pastries Pizza cookline Restaurant Sandwich bar/coffee lounge with cooking School home science School canteen with cooking Takeaway food Tertiary institution kitchen/canteen/cafe 	BOD, Suspended Solids, Grease	<ul style="list-style-type: none"> Plan food preparation and use a fridge to thaw fish. Turn taps off when they are not being used. See booklet: <i>Managing trade wastewater in the food service industry.</i> Grease trap with the final capacity equivalent to the volume of wastewater discharged in one hour at maximum flow. Minimum capacity of 1,000 litres. (See brochure on grease trap sizing). In food preparation and handling areas install: <ul style="list-style-type: none"> an authorised in-sink dry basket arrester an authorised in-floor dry basket arrester Consider good housekeeping practices to minimise water use and waste. Waste discharged from the outlet of authorised grease traps must meet the trade waste bylaw requirement of less than 100g/m³ of grease and no free floating grease or oil layer.
	Fruit and Vegetable Market (Retail) (Permitted)	Suspended Solids	<ul style="list-style-type: none"> In food preparation and handling areas install: <ul style="list-style-type: none"> an authorised in-sink dry basket arrester an authorised in-floor dry basket arrester
	Hospital	BOD, Suspended Solids, Grease, High Temperature	<ul style="list-style-type: none"> See booklet: <i>Managing trade wastewater in the food service industry.</i> The quality and quantity of trade wastewater from hospital kitchens can vary because hospitals are required to scald plates and may have kitchen waste disposal units. The temperature of the wastewater leaving the hospital kitchen grease trap must not exceed 50°C. The installation of sink-to-sewer disposal units (also called in-sink food waste disposal units or garbage grinders) are not permitted. Existing installations in hospitals may be allowed provided the wastewater is discharged through an adequately sized grease trap. Requirements for dry basket traps, garbage cleaning areas and cooking of storage areas are the same as for the food service industry.
	Potato Peeling (within commercial food preparation area)	BOD, Suspended Solids	<ul style="list-style-type: none"> Peeling machine to have built-in screen in place. Wastewater from potato processing areas must drain through an authorised basket trap with a removable basket and fixed screen. The drainage should bypass the grease trap. Potato peeling machines serviced by vacuum sewerage system are subject to special conditions. In some cases, pH correction of the wastewater may be required to limit the release of sulphide odours from the sewerage system.
	Sandwich bar / Salad Bar / Coffee Lounge No cooking (permitted)	Food, Oil, Grease.	<ul style="list-style-type: none"> In food preparation and handling areas install: <ul style="list-style-type: none"> an authorised in-sink dry basket arrester an authorised in-floor dry basket arrester
	Sandwich bar / Coffee Lounge Hot food cooking, eat in or take-away	Food, Oil, Grease.	<ul style="list-style-type: none"> See Food Service Industry section.
	Seafood's (wholesale) No hot food cooking.	Suspended Solids	<ul style="list-style-type: none"> If there is oyster shucking, a 1,000 litre general purpose or solids settlement pit is required as a minimum. A basket trap is required for fish filleting.
			Water conservation tip

Auckland Bylaw	
Food Premises	Minimum requirements
<p>Premises that prepare and/or serve hot foods that generate greasy/oily waste.</p> <p>(i) For the purpose of this table 'hot food' means that more than minimal greasy/oily wastes are generated as a result of preparing and/or serving food on the premises. This excludes hot food that does not generate greasy waste eg. tea, coffee, and food which has been prepared elsewhere and is only heated up on the premises, if it does not generate greasy/oily wastes.</p>	<p>Grease trap Requirements:</p> <p>(i) appropriately sized grease trap(s) related to size of operation to prevent oil and fats in any discharge from entering the public wastewater system;</p> <p>(ii) all grease trap(s) must be maintained appropriately and routinely serviced for optimal operation;</p> <p>(iii) service records must be retained for 5 years and may be requested by council; and</p> <p>(iv) participate in any tracking program to verify the requirements of clause (i) have been met.</p> <p>Used oil and fats must be collected and not discharged to the public wastewater system.</p>
<p>Cafe, canteen, cafeteria, coffee shop/lounge, bakery (retail only), restaurant, bistro, delicatessen, fast food outlet, food caravan, pizzeria, sandwich shop, snack bar, takeaway outlets, etc</p> <p>Boarding house/hotel kitchen/dining halls, Butcher, fishmonger (retail only)</p> <p>Commercial kitchen/caterer (retail only)</p> <p>Daycare centre, school, polytechnic, university, Residential care facility (retirement home, nursing home)</p> <p>Hotel, motel, club (with restaurant)</p>	<p>Sink strainer/screen and screens covering floor drains (if present)</p> <p>Requirements:</p> <p>(i) prevent food waste and other solid materials from entering the public wastewater system; and</p> <p>(ii) collected material is emptied into a bin for disposal</p>

		Plan food preparation and use a fridge to thaw food.
Vegetable Preparation	BOD, Suspended Solids	<ul style="list-style-type: none"> See Trade waste policy and the Trade waste Officer

Permitted Discharge Characteristics	Maximum Concentrations (g/m ³)	Remarks
Oil and Grease	There shall be no free or floating layer. Fat, oil, or grease shall not exceed 100 g/m ³ .	Oil and greases can cause sewer blockages, may adversely effect the treatment process, and may impair the aesthetics of the receiving water. Where the treatment plant discharges to sensitive receiving water, lower values should be considered.
Solids	<p>The suspended solids content of any wastewater shall have a maximum concentration which shall not exceed 2000 g/m³.</p> <p>The settleable solids content of any wastewater shall not exceed 50 m/L</p>	<p>Non-faecal gross solids shall have a maximum dimension, which shall not exceed 15 mm, and gross solids shall have an acquiescent settling velocity, which shall not exceed 50 mm/minute.</p> <p>Gross & high solids can cause sewer blockages.</p>
Organic Strength (BOD)	Where there is no treatment system for organic removal the BOD shall not exceed 1000 g/m ³ .	The Biochemical Oxygen Demand (BOD) of any wastewater may require to be restricted where the capacity for receiving and treating BOD is limited. A BOD restriction may be related to mass limits.

Trade & Business Activities	Process	Threats to the District Council's Stormwater and Sewerage system	Minimum Pre-treatment requirements and tips on how to conserve water
Health Care - Hospitals / Dental / Pharmacy / Medical Centres	Dental hospital with X-ray	Suspended Solids, Amalgam, Silver	<ul style="list-style-type: none"> • Authorised amalgam trap and segregation of waste amalgam. See photographic section.
	Dental Surgery	Suspended Solids, Amalgam	<ul style="list-style-type: none"> • Authorised amalgam trap and segregation of waste amalgam.
	Dental technician	Suspended Solids	<ul style="list-style-type: none"> • Authorised plasters traps or plaster arrestor.
	Doctor's surgery (Permitted)		No requirements
	Hospital	BOD, suspended solids, grease, high temperature	<ul style="list-style-type: none"> • Discharge to sewer of solid waste is prohibited. Prohibited solid waste includes hypodermic needles, syringes, instruments, utensils, swabs, dressings, bandages, any paper and plastic items of a disposable nature and any pathological wastes or cytotoxic wastes.
	Medical centre Plaster cast area X-ray	Oil, Grease, Kerosene, Solids, Petroleum Hydrocarbons, Metals, Suspended Solids	<ul style="list-style-type: none"> • See booklet: Managing trade wastewater in the motor vehicle industry and fact sheet: Mechanical workshops. <p>An oil/water separator system sized according to the influent flow rate.</p>
	X-ray developing		<ul style="list-style-type: none"> • See Photographic processing and developing section.

Trade & Business Activities	Process	Threats to the District Council's Stormwater and Sewerage system	Minimum Pre-treatment requirements and tips on how to conserve water
Laundry / Dry Cleaning / Textile Cleaning	Carpet cleaning mobile units (Permitted)	BOD, Suspended Solids, grease, pH	<ul style="list-style-type: none"> • 20 micron or smaller filtration system.
	Laundromat	BOD, Suspended Solids (lint), grease, high temperature, ammonia, boron	<ul style="list-style-type: none"> • Install an authorised fixed screen with removable basket. • Ensure the temperature does not exceed 50°C at the sampling point. • May require a cooling pit.
	Laundry	BOD, Suspended Solids (lint), grease, high temperature, ammonia, boron, phosphorus	<ul style="list-style-type: none"> • Install an authorised fixed screen with removable basket. • Ensure the temperature does not exceed 50°C at the sampling point. • May require a cooling pit. <p>Water conservation tip See Laundries fact sheet</p>
	Laundry, (Hospital, hotel, nursing home)	BOD, Suspended Solids, (lint), grease, high temperature, ammonia, boron, phosphorus.	<ul style="list-style-type: none"> • Install an authorised fixed screen with removable basket. • Solids removal. • Ensure the temperature does not exceed 50°C at the sampling point. • May require a cooling pit. • Treat for removal of cleaning and degreasing chemicals <p>Water conservation tips See Laundries fact sheet See Monitoring and maintenance fact sheet.</p>

Trade & Business Activities	Process	Threats to the District Council's Stormwater and Sewerage system	Minimum Pre-treatment requirements and tips on how to conserve water
Transportation- Distributor / Bus Companies / Rental Companies	Public Transport Fleet	Suspended Solids, Grease	<ul style="list-style-type: none"> ● Authorised in-floor dry basket arrestor and an authorised in-sink dry basket arrestor. ● No open areas draining rainwater to sewer. ● Avoid using cleaning compounds containing caustic materials, acids, or are solvent based. ● No hosing of hard surfaces, cleaning with mops and bucket only. ● Does not include external train carriage washing or graffiti removal process.
	Vehicle Washing, Washing by hand	Oil, Grease, Suspended Solids, Hydrocarbons, Solvents	<ul style="list-style-type: none"> ● See <i>booklet</i>: Managing trade wastewater in the motor vehicle industry. ● No discharge of solvents to sewer allowed. ● See Councils Rotorua Civil Engineering Industry Standard guidelines "Vehicle and plant wash facility Pollution Control Requirements". ● Water conservation tip: Use high pressure hoses or hoses with trigger nozzles.
	Vehicle Washing, Mechanical	Oil, Grease, Suspended Solids, Hydrocarbons, Solvents	<ul style="list-style-type: none"> ● Discuss with Customer Service Representative. ● See <i>booklet</i>: Managing trade wastewater in the motor vehicle industry. ● See Councils Rotorua Civil Engineering Industry Standard guidelines "Vehicle and plant wash facility Pollution Control Requirements". ● No discharge of solvents to sewer allowed. Store separately. ● Water conservation tip: Install a multi stage pit/tank with re-use of water pumped from last compartment for wetting and washing. Clean water used only for final rinse.
	Vehicle washing and degreasing of engine and under body Roofed	Oil, Grease, Suspended Solids, Hydrocarbons, Solvents	<ul style="list-style-type: none"> ● Discuss with Customer Service Representative. ● See <i>booklet</i>: Managing trade wastewater in the motor vehicle industry. ● A collection well with a minimum working capacity of 500 litres and non-emulsifying pump. ● Install an authorised floor waste basket trap to screen out gross solids. ● Install an authorised oil/water separation system within a roofed and bunded area. The minimum size is one kL/hour. <ul style="list-style-type: none"> ● Roof and bund wash area to exclude rainwater, but include wash water. ● No discharge of solvents to sewer allowed. Store separately.

Trade & Business Activities	Process	Threats to the District Council's Stormwater and Sewerage system	Minimum Pre-treatment requirements and tips on how to conserve water
Timber - Sawmills / Processing / Distribution / Firewood	Building Construction	Residual wastes from construction process and off site sediments	<ul style="list-style-type: none"> • Nil discharge to sewer including no solid materials, construction debris, paint, adhesives, acid wash.
	Cooling Tower and Boiler blow down. No treatment chemicals containing chromium to be used, and this is the only form of trade wastewater from the site. Discharge should not exceed 2 litres per second.	Total Dissolved Solids	<ul style="list-style-type: none"> • Beneficial re-use should be considered. No pre-treatment. Discharge rate to be limited to suit receiving sewer capacity. Water conservation tip See Best practice guidelines for cooling towers in commercial buildings.
	Boiler Blowdown	Temperature	<ul style="list-style-type: none"> • 1,000 litre cooling pit.

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Trade & Business Activities	Process	Threats to the District Council's Stormwater and Sewerage system	Minimum Pre-treatment requirements and tips on how to conserve water
WasteManagement Scrap Metal / Recycling / Demolition / Rubbish Collection	Building Construction	Residual wastes from construction process and off site sediments	<ul style="list-style-type: none"> • Nil discharge to sewer including no solid materials, construction debris, paint, adhesives, acid wash.
	Garbage Can cleaning Hotels/restaurants etc.	BOD, Suspended Solids, grease	<ul style="list-style-type: none"> • Basket trap in floor waste with a fixed screen. Wastewater to pass via grease trap (if installed). <p>Water conservation tip Use high pressure hoses or hoses with trigger nozzles.</p>
	Battery Room	Acid, low pH	<ul style="list-style-type: none"> • See the Trade waste policy and the Trade waste management plan for industrial customers and discuss with Customer Service Representative. • Bundled and drain to blind sump. • No discharge to sewer.
	Auto Recycler	Oil, Grease, Kerosene, Solids, Petroleum Hydrocarbons, Metals, Suspended Solids	<ul style="list-style-type: none"> • See booklet: Managing trade wastewater in the motor vehicle industry and fact sheet: Auto recyclers. • Discuss with Customer Service Representative. • An oil/water separator system sized according to the influent flow rate. • Collection pit with an operating capacity of at least 500 litres.

Key

Trade & Business Activities	Process	Threats to the District Council's Stormwater and Sewerage system	Minimum Pre-treatment requirements and tips on how to conserve water
Hospitality - Hotel / Motel / Residential Care / Child Care	Hostels		<ul style="list-style-type: none"> See Food Service Industry section. Water conservation tips Install AAA-showerheads where applicable. Install dual-flush toilets. Fact sheet available
	Hotel (with counter lunches or restaurant)	BOD, Suspended Solids, Grease	<ul style="list-style-type: none"> See Food Service Industry section. Water conservation tips See Best practice guidelines for cooling towers in commercial buildings. Install AAA-showerheads. See Best practice guidelines for hotels.
	Motel kitchen/Restaurant	BOD, Suspended Solids, Grease	<ul style="list-style-type: none"> See Food Service Industry section.

Trade & Business Activities	Process	Threats to the District Council's Stormwater and Sewerage system	Minimum Pre-treatment requirements and tips on how to conserve water
Tourist Facility	Function Centre	BOD, Suspended Solids, Grease	<ul style="list-style-type: none"> • See Food Service Industry section.
	Garbage Can Cleaning Hotels/restaurants etc.	BOD, Suspended Solids, Grease	<ul style="list-style-type: none"> • Basket trap in floor waste with a fixed screen. Wastewater to pass via grease trap (if installed). Water conservation tip Use high pressure hoses or hoses with trigger nozzles.

Trade & Business Activities	Process	Threats to the District Council's Stormwater and Sewerage system	Minimum Pre-treatment requirements and tips on how to conserve water
Other	Laboratory (School) Laboratory <small>(small hospital and university lab, pathology lab and morgue)</small>	Chemicals	<ul style="list-style-type: none"> See fact sheet. Water conservation tip Install flow regulators in taps.
	Mobile Businesses		<ul style="list-style-type: none"> Refer to Trade Waste officer
	Morgue	Embalmng chemicals	<ul style="list-style-type: none"> Embalmng chemicals
	Optical Processes <small>(Grinding of glass and plastic)</small>	Suspended Solids	<ul style="list-style-type: none"> See Trade waste policy and the Trade waste management plan for industrial customers. Minimum size 1,000 litre authorised general purpose pit. Cleaning frequency needs to ensure sludge does not occupy more than a third of pit depth or that thickness of scum does not exceed 80mm. Consider re-use of wash water.
	Printing – Lithographic <small>(off-set) less than 200 litres per day.</small>	BOD, Grease, Petroleum Hydrocarbons, Suspended Solids, Solvents	<ul style="list-style-type: none"> If there are photographic processes the PURE Code of Practice must be followed. Treat silver rich wastewater with an authorised silver recovery unit, or transport the silver rich waste off site for treatment and disposal by a RDC authorised transporters.
	Printing Lithographic <small>(off-set) greater than 200 litres per day.</small>	BOD, Grease, Petroleum Hydrocarbons, Suspended Solids, Solvents	<ul style="list-style-type: none"> Balancing tank. If there are photographic processes the PURE Code of Practice must be followed. Treat silver rich wastewater with an authorised silver recovery unit, or transport the silver rich waste off site for treatment and disposal by a DEC authorised transporter. If wastewater discharge is greater than 1,000 litres see the Management plan for industrial customers and discuss with Customer Service Representative. If the process involves the removal of ink by the use of solvents, then discharge to the sewer is not permitted. The waste must be disposed off-site.
	Photographic Processing and Developing	Silver, Ammonia, Thiosulphate, Sulphite	<ul style="list-style-type: none"> See booklet: Guidelines for the discharge of trade wastewater from photographic processing and diagnostic imaging. The PURE Code of Practice must be followed. Treat silver rich wastewater with an authorised silver recovery unit, or transport the silver rich waste off site for treatment and disposal by a DEC authorised transporter.

Trade & Business Activities	Process	Threats to the District Council's Stormwater and Sewerage system	Minimum Pre-treatment requirements and tips on how to conserve water
Recreation	Public swimming pool or Aquatic centres.	Suspended solids, Chlorine	<ul style="list-style-type: none"> · Consider re-use of filter backwash water. · Trap sand and grit carried over from filters in a backwash holding tank, sized to capture the largest backwash cycle of the pool plus 15% additional capacity. · Tank needs to have a sloping floor or a conically shaped base to enhance solids settlement. · Fit a high level cut out to stop back washing cycle. This will prevent any overflow to the sewer or stormwater. · Fit a low level cut off switch to maintain the sludge containment capacity. · De-sludge tank after six months, although frequency will be altered after site inspections. · See Open areas section. <p>Water conservation tips Review operation and maintenance procedures for backwash (particularly the frequency and duration) and assess frequency depending on need. Incorporate frequent monitoring and reporting procedures for water consumption. Incorporate frequent monitoring and reporting procedures for water consumption.</p>