



CLASSIFICATION C

COMMERCIAL LIQUID TRADE WASTE APPLICATION FORM

ASSESSMENT NUMBER _____ **PARCEL NUMBER** _____
CLASSIFICATION B _____ **METER No. / SIZE** _____
APPLICATION DATE _____

NAME OF PROPERTY OWNER
(Not Lessee) _____
ADDRESS OF PROPERTY OWNER _____

PHONE _____ **FAX** _____ **MOBILE** _____
EMAIL _____

BUSINESS TRADING NAME
where discharge will occur _____
BUSINESS ADDRESS _____

PROPERTY DESCRIPTION **LOT** _____ **SEC** _____ **DP** _____
CONTACT PERSON FOR BUSINESS _____
PHONE _____ **FAX** _____ **MOBILE** _____
EMAIL _____

(Complete the following if different to the owner)

APPLICANT'S NAME _____
APPLICANT'S ADDRESS _____

PHONE _____ **MOBILE** _____ **FAX** _____
EMAIL _____

**The Liquid Trade Waste Application Fee for Classification C for the
Financial Year is _____**

TYPE OF BUSINESS

- ✓ Commercial retail food preparation activities – please fill out and attach Section 1
- ✓ Other commercial activities – please fill out and attach Section 2 – Mechanical Repairers, Section 3 - Laboratory or Section 4 – Animal Wash, as appropriate

DESCRIPTION OF FLOW

Maximum rate of discharge to sewer _____ kL/hour or L/second

Maximum daily discharge to sewer _____ kL/day

LIQUID TRADE WASTE EQUIPMENT AND SERVICE / MAINTENANCE DETAILS

Pit No.	Exist. or Prop. (E or P)	Pretreatment Equipment	Volume (Litres) or Flow Rate (Litres/Hr)	Date of Last Pumpout and / or Service / Maintenance	Pumpout / Service / Maintenance Frequency (Weeks)	Waste Haulage Contractor / Service Maintenance Contractor

PROHIBITED SUBSTANCES

The following substances are prohibited from being discharged into the sewerage system:

- ❖ Organochlorine weedicides, fungicides, pesticides, herbicides and substances of a similar nature and/or wastes arising from the preparation of these substances;
- ❖ Organophosphorus pesticides and/or waste arising from the preparation of these substances;
- ❖ Any substances liable to produce noxious or poisonous vapours in a sewerage system;
- ❖ Organic solvents and mineral oil;
- ❖ Any flammable or explosive substances;
- ❖ Discharges from “Bulk Fuel Depots”;
- ❖ Chromate from cooling towers;
- ❖ Natural or synthetic resins, plastic monomers, synthetic adhesives, rubber and plastic emulsions;
- ❖ Rain, surface, seepage or subsoil water, unless specifically permitted;
- ❖ Solid matter;
- ❖ Any substance assessed as not suitable to be discharged to the sewerage system; and
- ❖ Waste liquids that contain pollutants at concentrations which inhibit the sewage treatment process – refer *Guidelines for Sewerage Systems: Acceptance of Trade Waste (Industrial Waste)* (ARMCANZ/ANZECC, 1994).

PLANS

Application to be accompanied by two (2) copies of plans showing:

- details and location of all processes, tanks, pits and apparatus associated with the generation of liquid trade waste
- details of the proposed liquid waste treatment processes
- details of pipes, floor drainage used to convey the effluent
- a full schematic layout of the proposed/existing waste pre-treatment facilities for liquid trade waste prior to discharge to the sewerage system
- flow diagram and hydraulic profile of proposed treatment apparatus
- capacity/dimensions, material of construction and lining, operation and maintenance of all pits, tanks, dosing systems, pumps, etc
- details of the integrity of the pH correction system (diversion system, recording, alarms – location, failsafe, tamperproof)
- Any additional details as requested by Council

Please include all details as requested (if insufficient space, attach as clearly labelled appendices).

NAME OF PROCESSES GENERATING LIQUID TRADE WASTE

- i) _____
- ii) _____
- iii) _____
- iv) _____
- v) _____
- vi) _____

TYPE AND QUANTITY OF RAW MATERIALS PROCESSED

DESCRIPTION OF WASTE

- List of all expected pollutants including substances contained in wash down detergents, boiler and cooling water and other sources
- Expected maximum and average concentrations of pollutants
- Sample analysis results of the proposed waste

Note: *The sample analysis tests shall be carried out by a NATA approved laboratory with accreditation for analysis of the nominated pollutants in the application or a laboratory acceptable to NOW.*

Acceptable means of sample analysis data collection:

- (i) Sample analysis results from a similar existing process*
- (ii) Collection of the proposed waste from a trial pre-treatment plant*
- (iii) Stand alone pre-treatment – manufacturer’s waste quality expectations*
- (iv) Configured pre-treatment – consultant’s calculations based on experience of a similar installation*

Attach details and supporting documentation of data collection method

When detailing the nominated pollutants where there is no possibility of discharge to the sewerage system because none of the substance is stored or used at the premises, write “NIL”

Parameter	Acceptance Guideline Limits ⁺ mg/L	Average mg/L	Maximum mg/L
BOD ₅ and Suspended Solids	Normally, approved at 300 mg/L each. Concentration up to 600 mg/L and in some cases higher concentration for low mass loadings may be acceptable if the treatment works has sufficient capacity and odour will not be a problem.		
COD	Normally, not to exceed BOD ₅ by more than three times. This ratio is given as a guide only to prevent the discharge of non-biodegradable waste.		
Total Dissolved Solids	Up to 4000 mg/L may be accepted. The acceptance limit may vary depending on an effluent disposal option and is subject to a mass load limit.		
Temperature	Less than 38°C.		
pH	Within the range 7.0 to 9.0.		
Oil and Grease	100 mg/L if the volume of the discharge does not exceed 10% of the design capacity of the treatment works, and 50 mg/L if the volume is greater than 10%.		
Detergents	All industrial detergents are to be biodegradable. A limit on the concentration of 50 mg/L (as MBAS) may be imposed on large liquid trade wastes.		
Colour	No visible colour when the waste is diluted to the equivalent dilution afforded by domestic sewage flow.		
Radioactive Substances	The discharge must comply with the Radiation Control Act 1990.		

+ Council may vary the acceptance limits having regard to the discharge characteristics and capacity of its sewerage system.

ACCEPTANCE GUIDELINES FOR INORGANIC COMPOUNDS ⁺

Parameter	Acceptance Guideline Limits mg/L	Average mg/L	Maximum mg/L
Ammonia (as N)	50		
Boron	25		
Bromine	5		
Chlorine	10		
Cyanide	5		
Fluoride	20		
Nitrogen (total Kjeldahl)	100		
Phosphorus	20		
Sulphate (SO ₄)	100		
Sulphide (as S)	1		
Sulphite (as SO ₃)	15		

+ Council may vary the acceptance limits having regard to the discharge characteristics and capacity of its sewerage system.

ACCEPTANCE GUIDELINES FOR ORGANIC COMPOUNDS ⁺

Parameter	Acceptance Guideline Limits mg/L	Average mg/L	Maximum mg/L
Formaldehyde <i>*Acceptance of chemical toilet waste which contains formaldehyde will be assessed on the available dilution in the sewerage system</i>	50*		
Phenolic compounds (except pentachlorophenol)	10		
Petroleum hydrocarbons (non-flammable)	30		
Pesticides (general)	0.1		
Pesticides (organophosphates)	Nil		
Pesticides (organochlorines)	Nil		

+ Council may vary the acceptance limits having regard to the discharge characteristics and capacity of its sewerage system.

ACCEPTANCE GUIDELINES FOR METALS ⁺

For small discharges, a daily mass load criteria may be used other than the concentration limit. An upper daily mass load can be applied to a large liquid trade waste discharge in addition to the concentration limit.

Parameter	Acceptance Guideline Limits mg/L	Allowed Daily Mass Limit g/d	Average mg/L	Maximum mg/L
Aluminium	100	-		
Arsenic	1	2		
Cadmium	2	6		
Chromium*	5	15		
* Where hexavalent chromium (Cr^{6+}) is present in the process water, pre-treatment will be required to reduce it to the trivalent state (Cr^{3+}), prior to discharge into the sewer. Discharge of hexavalent chromium (Cr^{6+}) from chromate compounds used as corrosion inhibitors in cooling towers is not permitted .				
Cobalt	5	15		
Copper	5	15		
Iron	100	-		
Lead	2	6		
Manganese	10	30		
Mercury	0.02	0.05		
Molybdenum	10	30		
Nickel	5	15		
Selenium	5	15		
Silver*	2	6		
Tin	5	15		
Zinc	5	15		

+ Council may vary the acceptance limits having regard to the discharge characteristics and capacity of its sewerage system.

* This limit is applicable for large dischargers. The concentration of silver in the photoprocessing waste where a balancing tank is provided is not to exceed 5 mg/L.

NON SEWERAGE SYSTEM DISCHARGES/WASTES

Details of management arrangement of waste streams/wastes that are not permitted or not intended to be discharged to the sewerage system.

DESCRIPTION OF FLOW

The maximum daily and instantaneous rate of discharge (kL/h or L/s) is set on the available capacity of the sewer. Large dischargers are required to provide a balancing tank to even out the load on the sewage treatment works.

Hours of days during which discharge will normally take place

MONDAY TO FRIDAY	_____	TO	_____
SATURDAY	_____	TO	_____
SUNDAY	_____	TO	_____

When are the peak periods of discharge during the day _____

Type of Discharge: (circle applicable type)

- Batch flow
- Intermittent flow
- Continuous flow

SPECIAL CIRCUMSTANCES

Where the applicant considers there are special circumstances applicable to their discharge, these circumstances should be identified, eg:

- Seasonal discharges
- Large differences between average and maximum daily loads
- Variations to flow, which avoid peak domestic flows, etc
- Retention of discharges for extended periods

Comments

OPEN AREAS (Please attach stormwater drainage plan for the site)

Does the proposed installation contain open areas that will drain to the sewerage system? Yes/No

If yes, give details

Stormwater is prohibited from being discharged into the council's sewerage system. The capacity for such flows is not provided in the sewerage system. Therefore, council does not generally accept the discharge of stormwater into the sewerage system.

The discharge of limited quantities of first flush water from liquid trade waste generating areas will be considered where roofing cannot be provided because of safety or other important considerations.

Please provide the following information:

- reasons why the area cannot be fully or partially roofed and bunded to exclude stormwater;
- the dimensions and a plan of the area under consideration;
- the estimated volume of the stormwater discharge;
- information on rain gauging;
- information on a first flush system if proposed;
- measures proposed for diverting stormwater away from the liquid trade waste generating area; and
- report on other stormwater management options considered and why they are not feasible.

WATER SUPPLY SOURCE (circle applicable type)

- Bore/ground water/on site dam/watercourse
- Recycled/reuse water
- Town water
- Any water supply meter being installed

Comments

LOCATION OF THE SAMPLING POINT _____

FLOW MEASUREMENT LOCATION AND PROPOSED FLOW MEASUREMENT TO SEWER

Please attach details of flow measurement installed/proposed

DETAILS OF THE CHEMICALS TO BE USED ON SITE

Substance	Qty	Storage liquid/solid	Location	Bunding

Note: *Attach Material Safety Data Sheets prepared in accordance with the National Code of Practice (NOHSC : 2011) for chemicals to be used and are likely to be contained in the waste effluent.*

ANY PROPOSED PLANS FOR FUTURE EXPANSION?

Yes/No

If yes, give details

SUPPORTING DOCUMENTATION

Please attach any relevant supporting documentation. For example:

- Environmental Impact Statement
- Consultant's report
- DEC considerations/restrictions

SECTION 1
STAND ALONE COMMERCIAL RETAIL FOOD PREPARATION BUSINESS

Please fill out the following if your business is involved in commercial food preparation activities that discharge liquid trade waste to the sewerage system.

In the table below, tick the 'name of process' that best describes what your business does, and write the number of seats or beds your business has (if any). In addition, please indicate if your premises contains the following:

Potato peeling appliance/s – number of appliances _____

Dishwasher/s – number of appliances _____

Tick	Name of Process	No of Seats or Beds
	Bakery (only bread baked on site)	
	Bakery (pies, sausage rolls, quiches, cakes cooked on premises)	
	Bakery (imported pies & sausage rolls)	
	Bakery (with coffee shop – eat in)	
	Bistro (no hot food cooked – sandwiches (coffee) only)	
	Bistro (hot food cooked and served)	
	Boarding house/hostel kitchen	
	Butcher – retail	NIL
	Café	
	Cafeteria	
	Canteen	
	Caterer	
	Club	
	Coffee shop/sandwich shop – no hot food cooked or served	
	Coffee shop – hot food cooked or served	
	Commercial kitchen/caterer	
	Community hall kitchen – tea and coffee only	
	Community hall kitchen – hot food cooked and served	
	Chicken – BBQ/charcoal	
	Chicken – retail fresh outlet with cutting and preparation of meat	
	Day care centre	
	Delicatessen – no meat cooked on site – no hot food prepared or served	
	Delicatessen – hot food prepared or served	
	Doughnut shop	
	Fish shop – fresh (retail) no cooking on site	
	Fish shop – cooking on site	
	Food caravan	NIL

Tick	Name of Process	No of Seats or Beds
	Fruit and vegetable market (retail)	NIL
	Function centre	
	Garbage bin cleaning – within commercial premises, ie hotel/restaurant	NIL
	Hostel	
	Hotel bistro	
	Hotel restaurant	
	Hotel snack bar	
	Hot bread shop	
	Ice cream parlour	
	Ice cream parlour with hot food take away	
	Juice bar – no hot food prepared or served	
	Juice bar – hot food prepared or served	
	Loading dock – fruit and vegetable	
	Mixed business (minimal hot food)	
	Motel kitchen/restaurant	
	Nightclub	
	Nursing home kitchen	
	Patisserie – croissants and muffins	
	Pie shop (with or without pastry)	
	Pizza home delivery/take away only	NIL
	Pizza cooking/reheating (no preparation or washing up on site, pizza heated in retail container and sold for consumption off site)	
	Pizzeria	
	Pizza restaurant	
	Restaurant	
	Salad bar – no cooking	
	Salad bar – cooking	
	Sandwich bar/coffee lounge – no cooking	
	Sandwich bar/coffee lounge – cooking	
	Seafoods – no hot food cooking	
	Seafoods – hot food cooking	
	Supermarket – incorporating butcher	NIL
	Take away – fish and chips, BBQ chicken, hamburgers	
	Take away – no hot food	

**SECTION 2
MECHANICAL REPAIRERS**

Please fill out the following if your business is involved in mechanical repair processes (and other services related to motorised equipment processes) that discharge liquid trade waste to the sewerage system.

In the lists below, tick the 'business type' or 'processes' that best describe what your business does. Note that there is an additional list at the end for 'associated processes' eg take away food at a service station.

BUSINESS TYPE	TICK
Airport terminal	
Bus/coach depot	
Car detailer	
Car/truck dealership service centre	
Car importation premises (dewaxing only)	
Construction equipment maintenance (ie earthmoving equipment and/or cranes)	
Equipment hire premises	
Fleet vehicle operations	
Forklift maintenance	
Garbage truck washing	
Lawnmower repairer	
Motorbike mechanical repairer	
Motor boat mechanical repairer	
Motor wrecker	
Service station	
Stand alone mechanical workshop	
Train washing facility	
Transport depot	
Other, please specify	

<i>Mechanical Workshop</i>	TICK
Parts washing with water	
Floor washing	
Drainage and flushing of radiator coolant (not permitted for discharge)	
Parts washing with solvents (not permitted for discharge)	
Radiator repairs	
Automobile dismantling (ie motor wrecker)	
Cleaning of engine blocks and engine heads in chemical baths	
Engine/gearbox reconditioner (sent off site)	
Engine/gearbox reconditioner (carried out on site)	

<i>Repairing Car Bodies</i>	TICK
Panel beating	
Wet rubbing	
Spray painting	

<i>Washing and Detailing</i>	TICK
Tunnel type (external body only)	
Wand type (external body only)	
Washing by hand (external body only)	
Degreasing of engine and washing	
Internal washing of meat vans or truck underbodies	
External truck washing	
Internal washing of tankers	
Forecourt washing (service station)	
Open area washing (considered only under special circumstances. Applicant must supply reasons why roofing is not possible, and must include the details of a first flush system).	

ASSOCIATED ACTIVITIES/BUSINESSES

Some premises have associated processes generating liquid trade waste. In addition to the above, does your premises have any of the following processes?

- Restaurant (number of seats?) _____
- Take away food bar (number of seats?) _____
- Service Station forecourt food caravan(s) _____
- Boiler blowdown (steam supply for internal washing of tankers) _____
- Chemical toilet disposal (for intercity coaches/buses) _____
- Other trade wastewater process (please specify) _____

SECTION 3 LABORATORY

Please fill out the following if your business has a laboratory that discharges liquid trade waste to the sewerage system.

In the list below, tick the 'business type' that best describes your business.

BUSINESS TYPE	TICK
Agricultural research centre laboratory	
Agricultural research (herbicides) laboratory	
Analytical laboratory	
Animal health (parasitology) laboratory	
Autopsy laboratory	
Chemical (pesticides) laboratory	
Clinical laboratory	
Dental laboratory	
Film (movies) laboratory	
Hospital laboratory	
Nuclear medicine laboratory	
Pathology laboratory	
Pharmaceutical laboratory	
Photographic laboratory	
Police crime scene unit laboratory	
Business that uses radioisotope	
School domestic (home) science laboratory	
School science laboratory	
Soil testing laboratory	
Tertiary institution laboratory (please specify)	
Veterinary research laboratory	
Workplace laboratory	
Xray laboratory (radiology)	
Other, please specify	

**SECTION 4
ANIMAL WASH**

Please fill out the following if your business involves animal washing processes that discharge liquid trade waste to the sewerage system.

In the list below, tick the 'business type' that best describes what your business does and also tick any 'associated processes' that are relevant to your business.

BUSINESS TYPE	TICK
Mobile animal wash	
Dog pound	
Boarding kennels	
Stables	
Racecourse	

Does your business include any of the following associated activities/business types?

	TICK
Xray facilities	
Pathology laboratory	
Autopsies performed	
Animal health (parasitology) laboratory	
Veterinary research laboratory	
Restaurant (<5000 L grease arrestor)	
Conference facility that serves hot food (<5000 L grease arrestor)	
Open areas (please indicate area size)	