

**LIQUID TRADE WASTE APPLICATION FORM**

**FORM C1 – CLASSIFICATION B OR C**

*Please note an application fee must be paid when this application form is lodged with Council. The application fee is \$231.00 for 2022/23 for Category 1 & 2 dischargers. The application fee is \$732.80 for 2023/24 for Category 3 dischargers.*

**This application form is for businesses that wish to discharge liquid trade waste to the sewerage system categorised as Classification B or C. Please complete all pages, if there is insufficient space attach clearly labelled appendices.**

**Applications for Classification C dischargers will be referred to the NSW Office of Water (NOW) for concurrence. Once NOW receives the application they have 40 days to respond to Council. NOW may request further information from the applicant via Council and this could extend the timeframe.**

Return to Council by: .....

(1) Business trading name: .....

(2) Site address: No. .... Street .....

Town/Suburb: ..... Postcode .....

(3) Property description: Lot /s..... Section ..... DP .....

(4) Property owner's name: .....

Property owner's address: .....

Telephone: BH ..... AH .....

(5) Applicant's name: .....

*(if different to the owner)*

Applicant's address: .....

Telephone: BH ..... AH .....

(6) Occupier's name: .....

*(if different to the owner)*

Telephone: BH ..... AH .....

(7) Type of business: .....

Please complete as appropriate: Forms C2, C3, C4, C5

(8) Normal hours of business:

Monday to Friday: ..... to .....

Saturday: ..... to .....

Sunday: ..... to .....

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(9) Please note 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 the 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;
- waste liquids that contain pollutants at concentrations which inhibit the sewage treatment process – refer *National Wastewater Source Management Guidelines, July 2008, WSAA*
- any other substances listed in a relevant regulation.

(10) Please circle water supply source:

- Bore/ground water/on-site dam/watercourse
- Recycled/reuse water
- Town water - Meter No: .....

(11) Details of the detergents and chemicals used on site:

Substance	Qty	Liquid / Solid	Location

***Attach 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***

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(12) Description of flow:

Maximum volume of liquid trade waste discharged to sewer per day ..... kL

Estimated flow rate liquid trade waste is discharged to sewer ..... L/s

Hours of days during which discharge will normally take place:

Monday to Friday: .....am to .....pm

Saturday: .....am to .....pm

Sunday: .....am to .....pm

When are the peak periods of discharge during the day: .....

Type of discharge (please circle):

- Batch flow
- Intermittent flow
- Continuous flow

(13) Flow measurement location and proposed flow measurement to sewer:

.....  
.....

(14) Description of Waste:

- list of all expected pollutants including substances contained in wash down detergents, boiler & cooling water & other sources
- expected maximum & average concentrations of pollutants

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.....

Attach sample analysis results of the proposed wastewater or complete the following table if data is available. Acceptable means of sample analysis data collection include:

- *Sample analysis results from a similar existing process.*
- *Collection of the proposed waste from a trial pre-treatment plant.*
- *Stand alone pre-treatment - manufacturer's waste quality expectations*
- *Configured pre-treatment - consultant's calculations based on similar installation*

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

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**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".			
<i>(the local water utility may add to this list as required)</i>			
Parameter	Acceptance Guideline Limits <sup>+</sup> mg/L	Average mg/L	Maximum mg/L
BOD <sub>5</sub> and Suspended solids	Normally, approved at 300 mg/L each. Concentration up to 600mg/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 <sub>5</sub> 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 <i>Radiation Control Act 1990</i> .		

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

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#### **Acceptance guidelines for inorganic compounds<sup>+</sup>**

Parameter	Acceptance Guideline Limits mg/L	Average mg/L	Maximum mg/L
Ammonia (as N)	50		
Boron	5		
Bromine	5		
Chlorine	10		
Cyanide	1		
Fluoride	20		
Nitrogen (total Kjeldahl)	100		
Phosphorus	20		
Sulphate (SO <sub>4</sub> )	500		
Sulphide (as S)	1		
Sulphite (as SO <sub>3</sub> )	15		

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

#### **Acceptance guidelines for organic compounds<sup>+</sup>**

Parameter	Acceptance Guideline Limits mg/L	Average mg/L	Maximum mg/L
Benzene	0.04		
Toluene	0.5		
Ethyl benzene	1		
Xylene	1		
Formaldehyde <sup>*</sup> Acceptance of chemical toilet waste which contains formaldehyde will be assessed on the available dilution in the sewerage system.	30*		
Phenolic compounds (except pentachlorophenol)	5		
Petroleum hydrocarbons (non-flammable)	30		
Pesticides (general)	0.1		
Pesticides (organophosphates)	Nil		
Pesticides (organochlorines)	Nil		
Polynuclear Aromatic Hydrocarbons (PAH)	5		

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

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**Acceptance guideline for metals<sup>+</sup>**

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	1	6		
Chromium *	3	15		
* Where hexavalent chromium (Cr6 <sup>+</sup> ) is present in the process water, pre-treatment will be required to reduce it to the trivalent state (Cr3 <sup>+</sup> ), prior to discharge into the sewer. Discharge of hexavalent chromium (Cr6 <sup>+</sup> ) from chromate compounds used as corrosion inhibitors in cooling towers is not permitted.				
Cobalt	5	15		
Copper	5	15		
Iron	100	-		
Lead	1	6		
Manganese	10	30		
Mercury	0.01	0.05		
Molybdenum	5	30		
Nickel	3	15		
Selenium	1	15		
Silver	2 <sup>#</sup>	6		
Tin	5	15		
Zinc	5	15		

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

<sup>#</sup> 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.

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(15) Name of processes generating liquid trade waste:

.....

.....

.....

(16) Type and Quantity of raw materials processed:

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(17) Existing/proposed equipment (grease arrestor, basket arrestor, pits, etc.):

Type/Manufacturer

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.....

.....

Size/flow rate

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.....

.....

Proposed cleaning schedule of pre-treatment equipment and contractors used:

Pre-treatment / Equipment	Frequency (weeks)	Name of Contractor	Licence

(18) Location of the sampling point:

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.....

.....

(19) Non sewerage system discharges/wastes:

Details of wastes that are not discharged to the sewerage system (e.g. solids to skip, regular collection services, etc)

.....

.....

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(20) Do the trade waste processes occur in open areas that will drain stormwater to the sewerage system?      Yes / No

**Stormwater is prohibited from being discharged into the council's sewerage system.** Please provide the following information (attach relevant details):

- reasons why the area cannot be fully/partially roofed and bunded;
- 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 for diverting stormwater away from trade waste generating area; and
- report on other stormwater management options considered

(21) Where the applicant considers there are special circumstances applicable to their business or discharge, these circumstances should be identified (e.g. seasonal discharges; large differences between average and maximum daily loads; variations to flow; retention of discharges for extended periods, etc).

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(22) Any proposed plans for future expansion? .....      Yes / No

If "Yes" give details on a separate attachment.

(23) Please attach any relevant supporting documentation such as Environmental Impact Statement, Consultant's report, DEC considerations/restrictions.

Reports attached?      Yes / No

(24) Plans – application to be accompanied by **2 copies of plans** showing:

- location of processes, pits, & apparatus associated with generation of waste
- details of treatment processes and installations - location, capacity/dimensions, material of construction, etc
- a full schematic layout of the proposed/existing waste pre-treatment facilities for liquid trade waste prior to discharge to the sewerage system
- details of pipes and floor drainage conveying the effluent
- stormwater drainage plan
- flow diagram & hydraulic profile of proposed treatment apparatus
- details of alarm, diversion, dosing or monitoring systems
- Any additional details considered relevant



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(25) Backflow devices prevent flow of water contrary to the normal or intended direction. There are a number of different devices including a reduced pressure zone device, a registered air gap and a testable double check valve. These may be located near the water meter. A plumber may be of assistance in completing this section.

No. of Backflow Prevention Devices on property: .....

**DEVICE 1**

Hazard rating: .....

Device Type: .....

Manufacturer: .....

Model No: ..... Size (mm): .....

Serial No: .....

**DEVICE 2**

Hazard rating: .....

Device Type: .....

Manufacturer: .....

Model No: ..... Size (mm): .....

Serial No: .....

Plumber: ..... License No: .....

Installation Date: .....

Exact Location of Devices: .....

Sketch of location of Devices:

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*Please note that the owner of the property will be billed for water supply, sewerage and liquid trade waste services provided and it is the owner's responsibility to pay such fees and charges within the period specified. The owner may arrange to recover such fees and charges through the lease arrangement between the owner and the occupier.*

*There is also an application fee that must be paid when this application form is lodged with Council.*

*The application fee is \$231.00 for 2023/24 for Category 1 & 2 dischargers.*

*The application fee is \$732.80 for 2023/24 for Category 3 dischargers.*

Property owner/s signature ..... Date .....

*(Owner's authorisation to making the application is mandatory as per section 78, of the Local Government Act 1993)*

Signature of occupier/applicant ..... Date .....

Position in Company .....

***The information on this form is being collected to allow Council to process your application and/or carry out its statutory obligations. All information collected will be held by Council and will only be used for the purpose for which it was collected. An individual may view their personal information and may correct any errors.***

**OFFICE USE ONLY**

Date Application Received .....

Site Visit Conducted .....

Application: approved / refused

Date Approved .....

Reason Refused .....

.....

Trade Waste Officer .....

Application Fee paid ..... Receipt # .....