



Orange City Council
 PO Box 35. Orange NSW 2800
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 Telephone 02 6393 8000

**Application for Approval to
 Discharge of Liquid Trade Waste
 (CLASSIFICATION C)**

Application made under the local Government Act 1993. Section 68

Applicable to businesses that intend to discharge high-risk (Concurrence Classification C) liquid trade wastes to the sewerage system. All details must be submitted to allow for assessment and make sure you read the section on substances not to be discharged.

The information Council is collecting from you is personal information for the purposes of the Privacy and Personal Information Protection Act 1998. The intended recipients of the personal information are: Orange City Council Officers, and any other agent of Council. The supply of the information by you is voluntary. If you cannot provide or do not wish to provide the information sought, Council may be unable to process your information.

Development Application No _____
 (if applicable)

PR: _____

New Trade Waste Application Renewal

Office Use Only - Records

1. PROPERTY DESCRIPTION (Site Address)

No.: _____ Street: _____

Lot: _____ Section: _____ DP: _____

2. BUSINESS TRADING NAME:

3. PROPERTY OWNER/S DETAILS

Note: This section must be completed by all property owners

Name: _____

Address: _____

Contact No (phone/fax) BH: _____ AH: _____ Fax: _____

I/We consent to this application: _____

(Signature/s) _____

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

4. APPLICANT (if different to owner)

Name(s): _____

Address: _____

Contact Telephone No.(s) BH: _____ AH: _____

Date: _____ **Signature(s):** _____

5. OCCUPIER (if different to owner or applicant)

Name(s): _____

Contact Telephone No.(s) BH: _____ AH: _____

6. TYPE OF BUSINESS / ACTIVITY

_____ (e.g. café, medical centre, motel)

- Commercial retail food preparation activities – Please fill out and attach Form C2
- Other commercial activities – Please fill out and attached as appropriate from Forms C3-C5



7. HOURS OF BUSINESS

Hours during which discharge shall occur:

- Monday to Friday _____ to _____
- Saturday _____ to _____
- Sunday _____ to _____

8. DESCRIPTION OF PROCESSES GENERATING LIQUID TRADE WASTE

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

9. TYPE AND QUANTITY OF RAW MATERIALS PROCESSED

10. DESCRIPTION OF WASTE TO BE DISCHARGED

- list of all expected pollutants including substances contained in wash down detergents, boiler and cooling water and other substances.
- 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 Department of Energy, Utilities and Sustainability.

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; and
- 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 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 ₅ by more than three times. This ratio is given as a guide only to prevent the discharge of non-biodegradable waste.		
Parameter	Acceptance Guideline Limits ⁺ mg/L	Average mg/L	Maximum mg/L
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)	500		
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 * Acceptance of chemical toilet waste which contains formaldehyde will be assessed on the available dilution in the sewerage system.	50*		
Phenolic compounds (except pentachlorophenol)	10		
Parameter	Acceptance Guideline Limits mg/L	Average mg/L	Maximum mg/L
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 *	3	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	0.01	0.05		
Molybdenum	5	30		
Nickel	3	15		
Selenium	1	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 photo processing waste where a balancing tank is provided is not to exceed 5 mg/L.



11. NON SEWERAGE SYSTEM DISCHARGES / WASTES

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

12. 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.

- Maximum rate of discharge to sewer _____ kL/h or L/s
- Maximum daily discharge to sewer _____ kL
- Hours during which discharge shall occur:
 - Monday to Friday _____ to _____
 - Saturday _____ to _____
 - Sunday _____ to _____
- When are the peak periods of discharge during the day? _____

Type of discharge:

- Batch flow
- Intermittent flow
- Continuous flow

13. VARIABLES RELATED TO FLOW OR QUALITY OF DISCHARGE

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

- seasonal discharges
- large differences between average and maximum daily loads
- variations to flow, do they avoid peak domestic flows, etc.
- retention of discharges for extended periods.

Comments _____



14. OPEN AREAS (Please attaché stormwater drainage plans 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 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 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.

15. WATER SUPPLY SOURCE

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

Comments _____

16. MONITORING

Sampling point location: _____

Flow measurement location and proposed flow measurement to sewer:

Please attach details of flow measurement installed/proposed



17. EXISTING / PROPOSED WASTE TREATMENT AND EQUIPMENT

Plans – Application is to be accompanied by **2 copies** of plans showing:

- details and location of all processes, tanks, pits and apparatus associated with the generation of industrial waste;
- details of proposed liquid waste treatment processes;
- details of pipes and floor drainage conveying 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 & 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); and
- any additional details as requested by the Council.

18. PROPOSED CLEANING SCHEDULE OF PRE-TREATMENT EQUIPMENT AND CONTRACTOR

Pre-treatment Equipment	Frequency (Weeks)	Name of Contractor	Licence

Comments: _____

19. 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.



20. FUTURE EXPANSION?

Any proposed plans for future expansion? Yes/No

If "Yes" give details on a separate attachment.

21. DUE DILIGENCE AND CONTINGENCY PROGRAM

Please attach a copy of any Due Diligence and Contingency Program for this site.

22. OTHER SUPPORTING DOCUMENTATION

Please attach any other relevant supporting documentation if available. For example:

- a. Environmental Impact Statement;
- b. Consultant's Report; and/or
- c. DECC considerations/restrictions

23. SUBSTANCES PROHIBITED FROM BEING DISCHARGED TO THE SEWERAGE SYSTEM

The following substances are prohibited from being discharged into Council's sewers or drains:

- a) organochlorine weedicides, fungicides, pesticides, herbicides and substances of a similar nature and/or wastes arising from the preparation of these substances;
- b) organophosphorus pesticides and/or waste arising from the preparation of these substances;
- c) any substances liable to produce noxious or poisonous vapours in the sewerage system;
- d) organic solvents and mineral oil;
- e) any flammable or explosive substances;
- f) discharges from 'Bulk Fuel Depots';
- g) chromate from cooling towers;
- h) natural or synthetic resins, plastic monomers, synthetic adhesives and rubber plastic emulsions;
- i) rain, surface, seepage or subsoil water, unless specifically permitted;
- j) solid matter
- k) any substance assessed as not suitable to be discharged to the sewerage system;
- l) waste liquid that contain pollutants at concentrations which inhibit the sewage treatment process – refer *Australian Sewage Quality Management Guidelines*, June 2012, WSAA; and
- m) any other substances listed in a relevant regulation.



24. FEES AND CHARGES

Liquid Trade Waste fees and charges are listed in Council's current Community Strategic Plan Documents which are available on-line or from Council's customer service. In submitting this form the applicant is aware that:

- there is an application fee of **\$393.10** to paid to Council's Cashier on submission (ABN 85 985 402 386).

If approved:

- there is an annual fee;
- there are additional charges that may be applied if re-inspections are required; and
- charges may be applied if adequate pre-treatment has not been installed.

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.

The applicant should be aware that approval of this application does not constitute a guarantee of any future approval of a variation to the approval. This will be dependent on the available capacity of the sewerage system at that time and any future approval must not be assumed.

However, alerting Council to the applicant's future plans and proposals may assist Council in planning future sewage management and/or infrastructure additions/modifications.

Office Use Only – Cashier (04.00451.0592.1501, Cashier Type 101):

Date lodged: _____ Receipt no.: _____
 Date paid: _____ \$393.10 Receipt by: _____
 To Records for TRIM: _____ (Records will forward to Liquid Trade Waste)

Office Use Only – Liquid Trade Waste:

Inspection by: _____ Application: Approved / Refused
 Inspection date: _____ Date of Determination: _____

STW Details

_____ Sewage Treatment Works
 _____ Design Capacity (EP)
 _____ Actual Capacity (EP)