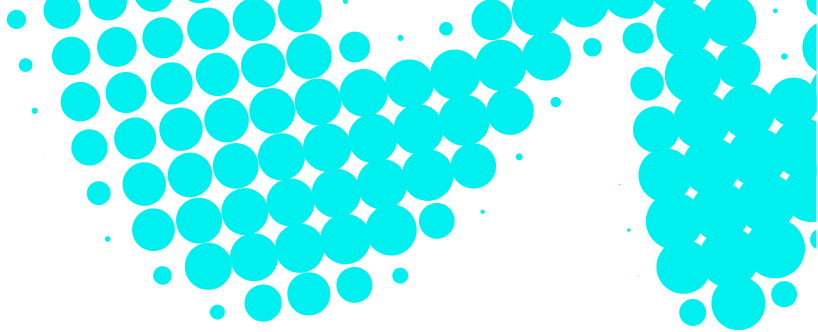


Application for Authorisation to Discharge Trade Waste



On completion and/or if you require assistance with this form, please contact our Trade Waste Team on 8188 9300 or email customerservice@gmbwater.au to arrange a site inspection.

OFFICE USE ONLY

Privacy statement

GMB Water will use the personal information provided in this form to process your application for authorisation to discharge trade waste into the GMB's wastewater infrastructure.

Lodgement of applications – an application fee may apply

Please send completed application form to:

GMB Water

customerservice@gmbwater.au

OR

GMB Water – Trade Waste

PO Box 77

MOUNT BARKER SA 5251

Trade waste authorisation application

All non-residential customers who intend to discharge trade waste into GMB Water's wastewater infrastructure, must apply for approval using the authorisation form.

Legislation

The Water Industry Act 2012 requires any non-residential business discharging wastewater within its network area to have Trade Waste approval with GMB Water.

Important Information

Some of the following information may be required or requested as part of the approval process:

- The scale and type of operation that generates the trade waste (e.g. actual or estimated number of meals prepared per day, seating capacity, quantity of garments cleaned per day etc.)
- Any known or requested analytical reports (e.g. salinity, suspended solids or BOD measurements)
- Details of equipment used in the processes (i.e. high-pressure cleaner, commercial dishwasher, number of washing machines etc.)
- For food premises - the make and model of dishwashers and the capacity of the grease arrestor (litres)
- Hydraulic Schematic – Site plumbing plans



When determining appropriate trade waste pre-treatment requirements, information on the scale, size and nature of planned activity, and factors affecting wastewater quality must be provided. Incomplete or inaccurate information may result in expensive future remedial actions. Existing pre-treatment devices may not be suitable to sufficiently treat trade waste prior to discharge. The following factors should be considered:

- Trade waste screening requirements:
- Temperature and pH of the trade waste discharge,
- Settlement requirements to retain silt or similar materials,
- Total volume of trade waste discharged,
- Presence of food, fats, oil and grease in the trade waste, and
- Type and concentration of chemical compounds in the trade waste.

Chemical compounds in trade waste discharges can adversely affect the integrity of pipework and wastewater treatment processes. Trade waste discharges must comply with the acceptance criteria set by GMB Water. Information on the type and quantity of chemical compounds in use or planned for use, their storage conditions (to prevent accidental spillage into the wastewater infrastructure (or stormwater) (i.e. bunded, roofed etc.) and their concentrations in trade waste may be required.

Trade waste can be pumped or gravity discharged into the wastewater infrastructure. Peak flow rate must be expressed in litres per second (L/s) which may be calculated by combining the maximum volume and the duration of the trade waste discharge. Duration is the maximum time the proposed discharge will occur (i.e. 1-2 hrs). The time of day for the proposed discharge is required to determine maximum allowable flow rate to wastewater infrastructure. If trade waste is to be pumped into the wastewater infrastructure, an audible and visible alarm system may be required to indicate any pump system failure.

Trade waste generators that produce large volumes of trade waste or contribute large proportions of pollutant loading to the receiving wastewater treatment facility will be required to provide trade waste analysis results with their application. This information may be used to determine relevant fees and charges. Samples should be collected from the trade waste discharge point in accordance with standard sampling techniques.

Local Acceptance Criteria (LAC)*

pH	6-10
Temperature	<38°C
Biochemical Oxygen Demand	<600mg/L
Chemical Oxygen Demand	<600mg/L
Suspended Solids	<400mg/L
Total Kjeldahl Nitrogen	<120mg/L
Total Phosphorous	<30mg/L
Grease	<100mg/L

** Please refer to the GMB's Trade Waste Management Plan for the complete list*



Application for Authorisation to Discharge Trade Waste

1. Type of Application

New development application

Commencement Date _____

Existing premises – alteration to existing drainage/pre-treatment system

Existing trade waste authorisation with a change of operator/owner/occupier

Change over date _____

2. Premise Details

Business Name : _____ Shop/Unit No: _____ Street No: _____

Street Name : _____ Town: _____ Postcode: _____

2. Applicant Details

Applicant Name : _____

Contact Number: _____ Email: _____ ABN: _____

Postal Address : _____

3. Owner Details (When the applicant is not the property owner)

Owner Name : _____

Contact Number: _____ Email: _____ ABN: _____

Postal Address : _____

4. Billing Details

Name : _____

Contact Number: _____ Email: _____ ABN: _____

Postal Address : _____

5. Trade Waste Discharge Details

Business type Choose an item (or refer 'special notes page 8)

If other business please specify: _____

Annual water usage Mains water _____ kL (leave blank if unknown)

Other water sources _____ kL (leave blank if unknown)

Estimated annual trade waste discharge _____ kL (leave blank if unknown)

Average number of employees _____ Full time

Non-Complex eg retail food outlet, restaurant, take-away, bar, coffee shop, car-wash **GO TO QUESTION 6**

Complex eg food processing, manufacturing **GO TO QUESTION 7**



6. NON-COMPLEX TRADE WASTE DISCHARGE

COMMERCIAL FOOD BUSINESS					
Waste fixture and appliances	L/hr.	Qty	Waste fixture and appliances	L/hr.	Qty
Bain Marie	50		Sink - single bowl	30	
Bin wash area	100		Sink - double bowl	60	
Combi oven/steam oven	100		Sink - pot, single	100	
Dishwasher (domestic)	30		Sink - pot, double	200	
Dishwasher (commercial)	60		Sink - cleaner's	60	
Floor wash-down silt trap / bucket trap	100		Sink - with spray rinse	300	
Glasswasher (for one existing unit)*	60		Traditional/wet wok (per burner)	200	
Glasswasher (per additional unit)*	120		Waterless wok (per burner)	50	
Hand basin	25		Other wet fixtures (Contact TW Team)		

	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Business Hours							
Estimated number of meals/coffees per day							
Max seating capacity							

SCHOOLS	
Full Time Staff	
Full Time Students	

DENTISTRY			
Dental Chairs Quantity _____	X Ray Process <input type="checkbox"/> Chemical <input type="checkbox"/> Digital <input type="checkbox"/> Other	Onsite lab works <input type="checkbox"/> Yes <input type="checkbox"/> No	Plaster trap Quantity _____

VEHICLE SERVICES / WASH BAYS / CAR WASHES	
Processes Parts washer <input type="checkbox"/> Yes <input type="checkbox"/> No Engine wash <input type="checkbox"/> Yes <input type="checkbox"/> No External body wash <input type="checkbox"/> Yes <input type="checkbox"/> No	Number of wash bays Automatic _____ Manual _____ Dog wash _____

OTHER
Provide details:



6.1 Details of pre-treatment devices

PRE-TREATMENT DEVICE	TYPE / MODEL	SIZE / CAPACITY	LOCATION	QUANTITY	TYPE OF LID, IF APPLICABLE
Grease arrestor					
Settling pit					
Neutraliser pit					
Oily water plate separator					
Silt trap					
Dry basket					
Solids trap					
Blow down pit					
Pre-treatment device					
Other					

Is the pre-treatment device shared with another business?

Yes No

6.2 Other information

Provide any relevant additional details of proposed trade waste generating activities and on-site processes (e.g. type of food, waste oil collection, pool, laundry etc.)

6.3 Stormwater

Are there any unroofed areas which may allow storm water to flow to the wastewater? Yes No

If yes, please specify the size of area(s), and describe how storm water will be managed.

6.4 Attachments

Attached the followings relevant information:

- Pre-treatment system requirements (**Engineering report - if applicable**)
- Site layout plan (**including drainage**)
- SA Water Form (To be completed by the SA Water Account Holder)



7. COMPLEX TRADE WASTE DISCHARGE

7.1 Describe the type of business proposed/carried out on site

Complex trade waste business categories – Butchers, Café or Bakeries, Car Detailing, Car Wash, Clubs with food preparation, Clubs without food preparation, Community Hall, Fuel Station, Fuel Station with food preparation, Hospital, Laboratory, Laundromat, Mechanical Repair Shop, Mechanical shop with Car wash, Medical/ Dental, Metal Works, Motels, Restaurants, Take-away food, Other

7.2 Details of the wastewater discharge

Gravity <input type="checkbox"/>	Peak flow rate L/s	Duration
Pumped <input type="checkbox"/>	Peak flow rate L/s	Duration

7.3 Describe the fixtures/activities on the site

EQUIPMENT/FIXTURE	QUANTITY	WHAT ACTIVITIES GENERATE WASTE	VOLUMES (L/DAY)

7.4 List of onsite processes



7.5 Details of pre-treatment devices/systems

PRE-TREATMENT DEVICES	TYPE / MODEL	SIZE / CAPACITY	LOCATION	QUANTITY
Grease arrestor				
DAF unit				
Settling pit				
Neutraliser				
Buffer tank				
pH adjustment				
Oily water plate separator				
Hydro cyclone				
Silt trap				
Dry basket				
Other				

7.6 Stormwater

Are there any unroofed areas which may allow storm water to flow to the wastewater? Yes No
If yes, please specify the size of area(s), and describe how storm water will be managed.

7.7 Contaminants likely to be present in the trade waste

- Heavy Metals
- Acidic/alkaline substance
- Solvents
- Medical waste
- Dyes/inks
- Oil/fat, emulsions
- Ammonia
- Petrochemicals
- Phosphorous
- Paints
- Total dissolved solids (Salts)
- Chlorinated hydrocarbons
- Disinfectants
- Sulphur compounds
- Other _____
- Other _____
- Other _____
- Other _____

7.8 Estimated trade waste quality (if known)

Biochemical oxygen demand (BOD)		mg/L
Chemical oxygen demand (COD)		mg/L
Total Kjeldahl nitrogen		mg/L
Total phosphorous		mg/L
Total ammonia		mg/L
Suspended solids		mg/L



7.9 Water Consumption

7.9.1 Total water consumption (leave blank if unknown)

AVERAGE WATER CONSUMPTION PER DAY (LEAVE BLANK IF UNKNOWN)	DAILY VOLUME (L)
Average amount of water supplied per day	

7.9.2 Domestic wastewater (leave blank if unknown)

WATER USE	CALCULATION	DAILY VOLUME (L)
Domestic Water Usage (Sewerage Portion)	Method 1 - (Number of property units) x (500 L) Method 2 - (Number of FTE) x ($\frac{500}{6}$) L Method 3 - Estimated usage	

7.9.3 Other non-domestic discharges/usage/losses (leave blank if unknown)

WATER USE	CALCULATION	DAILY VOLUME (L)
A - Water in manufacturing products	Site specific*	
B - Evaporation	Boiler	Refer to manufacturer's specification
	Cooling towers	Refer to manufacturer's specifications* or determine based on recirculation rate and temperature drop
C - Irrigation (garden areas, sports oval etc)	Determine the watering rate (L/min) for each sprinkler/irrigator used on the premises from the device manufacturer. Multiply by the average daily sprinkler time in minutes (over the period of the entire year). _____ L/min x _____ average daily watering time (mins) = _____ L/day	
D - Other usage/losses		
Totals in Section 7.9.2	A+B+C+D	

* Calculation and/or specifications are to be supplied as attachments to this form

7.10 Attachments

Attached the followings relevant information:

1. Pre-treatment system requirements (**Engineering report**)
2. Site layout plan (**including drainage plan and location of any pre-treatment system**)
3. Process flow diagram including storm water discharges
4. SA Water Authority Form – Signed Yes No



8. DETAILS OF ANY CROSS-CONNECTION CONTROL AND ANY BACKFLOW PREVENTION (if applicable)

9. WASTE ID (Grease Arrestor QR2ID Tagging)

Waste ID – Number _____ (Unique QR code provided by GMB Water)

Waste ID – Tag Location: _____

Waste ID App Installed (Customer) Yes No

The signatures of the owner/operator or authorised person will verify that the information on the application form is correct. The applicant section must be signed by the operator or an authorised agent/person on behalf of the company or incorporated body. The property owner must also sign this application for authorisation to discharge trade waste. If the operator and owner are the same, please specify 'as above' in the site owner's section.



The signatures of the owner/operator or authorised person will verify that the information on the application form is correct. The applicant section must be signed by the operator or an authorised agent/person on behalf of the company or incorporated body. The property owner must also sign this application for authorisation to discharge trade waste. If the operator and owner are the same, please specify 'as above' in the site owner's section.

10. AUTHORISATION SIGNATURES

Operator section

I _____ declare the information provided is correct to the best of my knowledge.

Signature of the operator/authorised person

Date

Premise owner section

I _____ declare the information provided is correct to the best of my knowledge.

Signature of the site owner/authorised person

Date

- Please review the completed application and attach all the necessary documents prior to submission. Delay in processing this application may be experienced if the forms are not completed in full detail.
- Interim permit (conditional) may be issued to existing trade waste generators occupying premises where trade waste is generated prior to a full permit/approval being issued.
- GMB Water must approve any alterations or significant change in discharge to an activity discharging the trade waste prior to the start of any works.

OFFICE USE ONLY

GMB Authorising Officer section

Category: Cat 1 Cat 2

Cat 3

I _____ declare the information reviewed is correct to the best of my knowledge.

Signature of GMB Water authorised person

Date