

# Liquid Trade Waste

## Sewer and Liquid Trade Waste Discharge Factors



### Definition

**Liquid trade waste (LTW)** is any discharge to a sewerage system other than domestic waste from a hand wash basin, shower, bath or toilet.

**Central Coast Council** is referred to as Council.

### Introduction

This Fact Sheet is provided to assist you to treat and dispose of liquid trade waste in an efficient and approved manner.

For further information, please contact Council's Trade Waste Section on 4306 7900.

For LTW application forms, refer to [www.centralcoast.nsw.gov.au](http://www.centralcoast.nsw.gov.au).

### Assessment of Discharge Volumes

For the purposes of calculating usage and penalty charges, discharged volumes will be assessed by one of the following methods:

- installation of a flow measuring device on the discharge;
- estimation based on pumping time where the discharge is pumped to sewer; or
- Estimation based on metered water usage.

Estimations based on metered water usage will be determined by applying appropriate discharge factors. Standard factors established for typical businesses are set out in the table below. A discharge factor represents a percentage of the metered water consumption, which is deemed to be discharged to the sewerage system from a specific business function.

The figures in the table below are the percentage figures applied to the potable water meter reading at the premises, to calculate the estimated volume of sewage and liquid trade waste discharged from the business activity at the premises. These factors will be applied unless considered inappropriate for the type of discharger's business operation at the premises, in which case the discharger may seek a review of the factors by CCC's Rates Section. Any determination will only apply while the nature of the operation remains unchanged.

Additional information is available in Appendix G of the Department of Water and Energy, Liquid Trade Waste Regulation Guidelines, 2009

The two types of discharge factors used are:



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### Sewer Discharge Factor

The sewer discharge factor includes all discharge to the sewerage system i.e. liquid trade waste and domestic sewerage, and in some cases, first-flush stormwater from open areas. The sewer discharge factor is the ratio of the estimated volume discharged into the sewerage system to the total water consumption.

### Liquid Trade Waste Discharge Factor

The liquid trade waste discharge factor is the volume of wastewater that discharges from the liquid trade waste processes only. It is the ratio of the estimated volume of liquid trade waste discharged into the sewerage system to the total water consumption.

### Application of Discharge Factors

The sewer and trade waste discharge-factors listed below in Table 6 represent generic industry standards. Please note that these factors may be varied by Council to reflect local conditions.

<b>SEWER AND TRADE WASTE DISCHARGE FACTORS</b>		
<b>Discharger's Premises / Facility</b>	<b>Discharge Factor %</b>	
	<b>Sewer</b>	<b>Trade Waste</b>
Bakery	95	25
With a residence attached <sup>1</sup>	70	18
Bed and Breakfast / Guesthouse (max. 10 persons)	75	N/A <sup>2</sup>
Boarding House	90	20
Butcher	95	90
With a residence attached <sup>1</sup>	70	65
Cakes, Patisserie, Hot Bread	95	50
Car Detailing	95	90
Car Wash – small hand wash only	75	70 <sup>5</sup>
Car/Vehicle Wash – Robo, Carlovers, Gerni type and auto etc	95	90 <sup>5</sup>
Caravan Park – with commercial kitchen	75	25
Caravan Park – no commercial kitchen	57	N/A <sup>2</sup>
Chicken / poultry shop (retail fresh, no cooking)	95	90
Chicken cooking (e.g. Charcoal Chicken)	95	80
Club – Direct service to club	95	30
Club – Bowling, Jockey, Racing, Golf	50	45
Coal Mine	25	25
Cold Store	7	N/A <sup>2</sup>



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<b>Discharger's Premises / Facility</b>	<b>Discharge Factor %</b>	
	<b>Sewer</b>	<b>Trade Waste</b>
Community hall (minimal food only)	95	N/A <sup>2</sup>
Concrete Batching Plant (process water to stormwater)	2	1
Correctional Centre (with laundry)	90	15 <sup>5</sup>
Craft / Stonemason	95	80
Day Care Centre	95	N/A <sup>2</sup>
Delicatessen, mixed business (no hot food)	95	N/A <sup>2</sup>
With a residence attached <sup>1</sup>	70	N/A <sup>2</sup>
Delicatessen, mixed business (with hot food)	95	50
With a residence attached <sup>1</sup>	70	50
Dental Surgery with X-ray	95	80
With a residence attached <sup>1</sup>	70	60
Fast Food (e.g. McDonalds, Burger King, Pizza Hut)	95	62
Fast food (e.g. KFC, Red Rooster)	95	80
Fresh Fish Outlet	95	90
Hairdresser	95	N/A <sup>2</sup>
High School	95	25 <sup>5</sup>
Hospital (public and private)	95	60
Hostel	90	20
Hotel	100	25
Joinery	95	10
Laundry	95	92 <sup>5</sup>
Marina	90	70
Mechanical Workshop / Garage / lawn mower repairer / equipment hire etc <sup>3</sup>	95	70
Mechanical Workshop with car yard / car wash	85	70
Medical Centre	95	25 <sup>5</sup>
Motel – small less than 15-25 rooms (no hot food)	90	N/A <sup>2</sup>
Motel with hot food	90	20
Nursery	25	5
Nursing Home	85	50
Office Building	95	N/A
Optical Service	95	N/A <sup>2</sup>
Panel Beater / Spray Painter	95	70
Primary School	95	10 <sup>5</sup>



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<b>Discharger's Premises / Facility</b>	<b>Discharge Factor %</b>	
	<b>Sewer</b>	<b>Trade Waste</b>
Photo-Processing	85	85
Printer	95	85
Radiator Repair	90	85
Restaurant <sup>4</sup>	95	50
Self Storage	90	N/A
Seafood – Co-ops and Fresh	95	90
Service Station	90	70
Service Station (with car washing)	95	85
Shopping Centre	85	50
Supermarket	95	70
Sporting Ovals - Amenities Blocks	25	20
Swimming Pool (commercial)	85	N/A <sup>2</sup>
Take Away Food	95	50
Technical College or University	95	Note 6
Veterinary Surgeon (no X-ray), Kennels, Animal wash	80	N/A <sup>2</sup>
Wreckers	85	85

<sup>1</sup> If a residence is attached that has garden watering, the residential Sewer Discharge Factor is applied.

<sup>2</sup> A trade waste usage charge is not applicable for this activity.

<sup>3</sup> Includes lawn mower repairs.

<sup>4</sup> Includes Café, Canteen, Bistro, etc.

<sup>5</sup> A trade waste usage charge applies, if appropriate pre-treatment equipment has not been installed or has not been properly operated or maintained.

<sup>6</sup> A discharge factor to be applied on the basis of the relevant activity, e.g. takeaway food, mechanical workshop, optical services, etc.



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