

Trade Waste

Trade waste is defined as:

“Liquid or liquid borne waste generated from any industry, business, trade, manufacturing process or similar that is approved for discharge to sewer but does not include wastewater from a toilet, shower, hand-basin or similar fixture”

Power and Water Corporation is licensed by the Utilities Commission under the *Water Supply and Sewerage Services Act* (The Act) to provide sewerage services in the Northern Territory. The Act prohibits the discharge of trade waste to sewer without the written approval of the licensee.

Power and Water recognises there is a requirement for business and industry to manage their liquid waste streams. To assist, Power and Water will accept approved trade waste to sewer to minimise the cost to business and to protect the environment.

To manage the discharge of trade waste to sewer, Power and Water has developed and implemented the Trade Waste Management System (TWMS). The two key documents of the TWMS are the “Trade Waste Code” and the “Guidelines for On-site Pre-treatment”.

Trade Waste Code

The Act requires the licensee to publish a code setting out conditions for the acceptance of trade waste to sewer. The Trade Waste Code includes the following conditions:

Compliance requirements	Acceptance guidelines	Prohibited substances
Discharge category	Discharge approval	Pre-treatment equipment
Measurement of quantities	Sampling requirements	Monitoring
Calculation of fees and charges	Regulation	Reporting
Non compliance procedures	Termination of approval	Dispute resolution
Title, risk and indemnity	Assignment of rights	

The Trade Waste Code is available on the Power and Water website at www.powerwater.com.au.

Guidelines for On-site Pre-treatment

The Guidelines for On-site Pre-treatment has been developed as a supporting document to the Trade Waste Code. The Guidelines have been developed to assist business and industry understand Power and Water’s minimum pre-treatment equipment requirements. The Guidelines include the following sections:

Introduction	Definitions and Terminology
Pre-treatment Processes and Equipment	Abbreviations
On-site Pre-treatment Requirements	Guide for Sizing Grease Arrestors
Waste Management	Wash Bays – Vehicles, Plant and Equipment
Commercial Swimming Pools and Ornamental Ponds	Oil Water Separation Units
Photographic Industry	Summary

Business and industry pre-treatment requirements are specified in detail in Section 5 of the Guidelines.

The following table summarises general industry requirements and is to be used as a guide only.

Business type	Processes and discharge characteristics	Pre-treatment equipment required
auto dismantlers; car detailers; mechanical workshops; small engine repair; vehicle washing	grease, oil, suspended solids, metals, petroleum hydrocarbons, kerosene, detergents	corrugated plate interceptor; vertical gravity separator; hydro-cyclone; settling pit;
bakery; cafeteria; canteen; caterer; commercial kitchen; club; child care centre; fast food outlet; fish and chip shop; hospital kitchen; hotel kitchen; motel kitchen; restaurant; school home science; take away; etc	hot food cooked on site; generally involves frying; deep frying; wok cooking; etc. BOD; grease; suspended solids; detergents	dry basket arrester in floor waste; basket trap in sink drains; grease arrester minimum capacity of 1000 litres Large sites will require a site visit from a Trade Waste Officer.
bakery; butcher shop; chicken shop; canteen; club; child care centre; coffee shop; sandwich shop; school home science;	in general no hot food cooked on site; small hot plate or grill; pie warmer; etc	dry basket arrester in floor waste; basket trap in sink drains;
Health related industries; dental surgery; dental technician; Doctor's surgery; etc	amalgam; mercury; silver; plaster casts; suspended solids; x-rays	amalgam separator plaster arrester Industry Code of Practice; Photographic Uniform Regulations for the Environment (PURE)
commercial laundry; coin operated laundry; dry cleaners	lint; high temperature; pH; dry cleaning fluids and solvents	lint screens, cooling pit, pH correction. Fluids and solvents are prohibited discharges.
photographic processing and developing; x-ray; graphic arts	silver; ammonia;	PURE Industry Code of Practice

Where a business has a complex or non standard waste stream, a Trade Waste Officer will need to undertake a site assessment to determine if the waste stream is acceptable for discharge to sewer and to determine the type of pre-treatment equipment that is to be installed.

Application process

All businesses wishing to discharge trade waste to sewer must complete a Trade Waste Application; a Trade Waste Discharge Permit cannot be issued unless an application has been received. In general, small business discharging acceptable trade waste will only be required to complete Schedule 1, larger businesses discharging more complex trade waste must complete the six schedules listed.

Schedule 1	Trade Waste Application Form
Schedule 2	Site Plan of Property
Schedule 3	Hydraulic Service Plan
Schedule 4	Processes Generating Trade Waste
Schedule 5	Pre-treatment Equipment
Schedule 6	Final Discharge Characteristics

For more information

For more information contact Services Development Northern Region on (08) 8995 5801, Services Development Southern Region on (08) 8951 7312 or the Manager Trade Waste on (08) 8995 5807.